

TECHNICAL GUIDE

R-410A SPLIT-SYSTEM AIR-COOLED CONDENSING UNITS AND AIR HANDLERS

YH-07 thru -20 and YJ-10 thru -20 CONDENSING UNIT MODELS

PH-07 thru -20 and PJ-15 thru -20 HEAT PUMP UNIT MODELS

NH-07 thru -20 and NJ-10 thru -20 AIR HANDLING UNIT MODELS

7.5 - 20 Ton
60 Hertz

Description

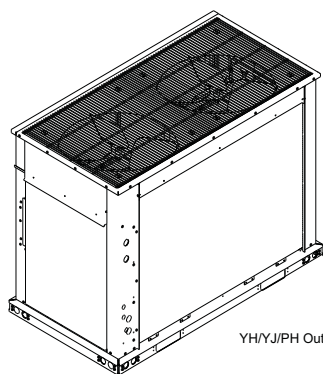
UP condensing units and heat pumps are completely assembled, piped and wired at the factory to provide a single-piece unit for shipment and rigging. Each unit is pressurized with a holding charge of refrigerant R-410A for storage and/or shipping.

The compact design, clean styling, small footprint, and quiet operation make these condensing units and heat pumps suitable for almost any outdoor location. On rooftops... because they weigh much less than a single package unit of similar capacity and are much easier to rig and support. On the ground... because the footprint is compact allowing a variety of applications.

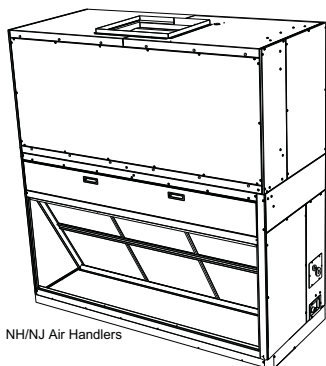
Both the UP condensing units and heat pumps are equipped with reliable Simplicity® microprocessor controls to assure proper operation and unit protection for long product life. Products from 7 to 20 tons are available in single or dual (2 or 4 pipe) refrigerant circuits for redundancy in operation and various application choices such as one outdoor unit matched with two indoor units.

The UP air handling units are completely assembled units, including a well-insulated cabinet, a DX cooling coil with copper tubing, aluminum fins, expansion valve(s), distributor(s), 2" throwaway filters, a centrifugal blower, a blower motor, an adjustable belt drive, a blower motor contactor and a small holding charge of refrigerant R-410A.

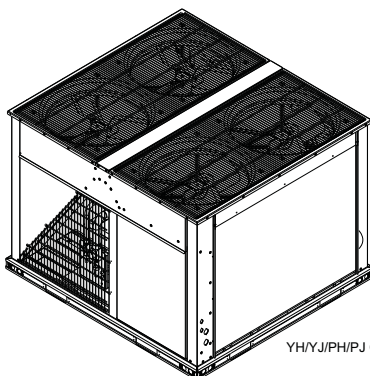
Units are shipped in the vertical position ready for field installation, but can be easily converted to horizontal position. An added benefit of the UP air handling units is they are designed to operate with either a condensing unit or a heat pump and no field modification or special unit is required for heat pump applications.



YH/YJ/PH Outdoor Units



NH/NJ Air Handlers



YH/YJ/PH/PJ Outdoor Units



ISO 9001
Certified Quality
Management System

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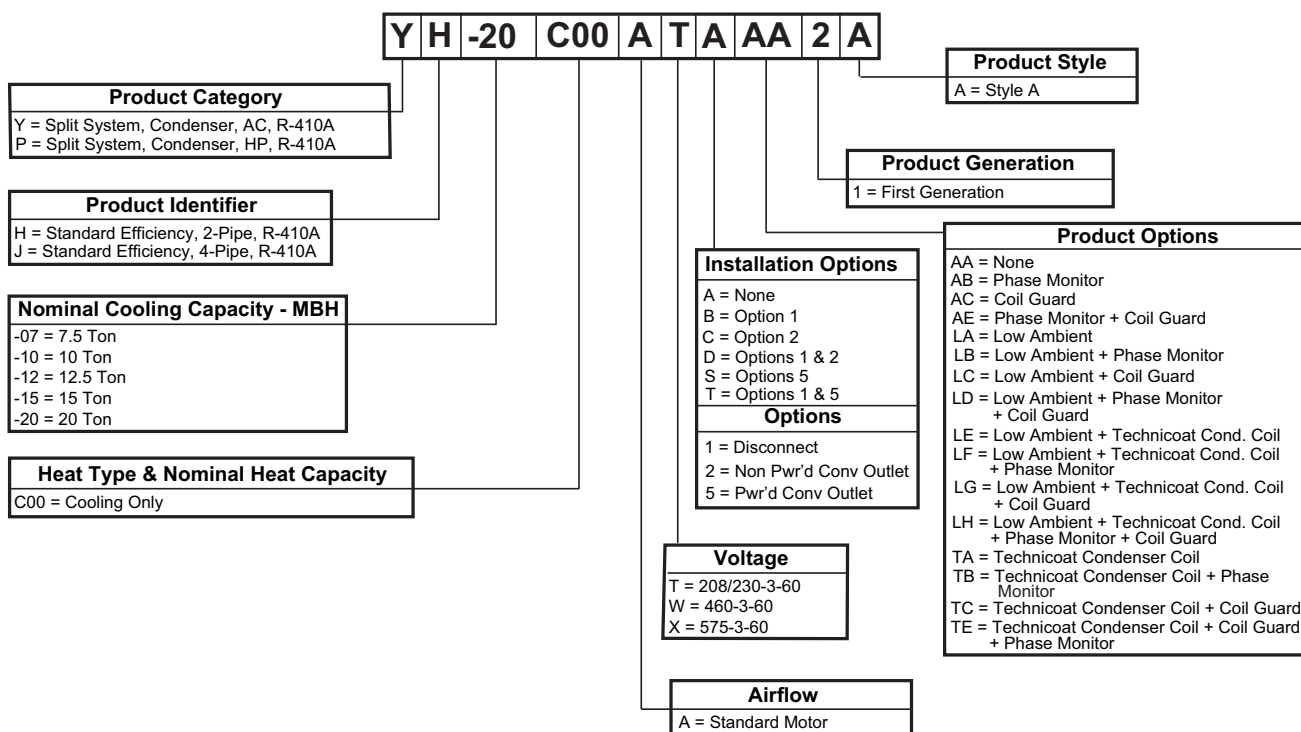
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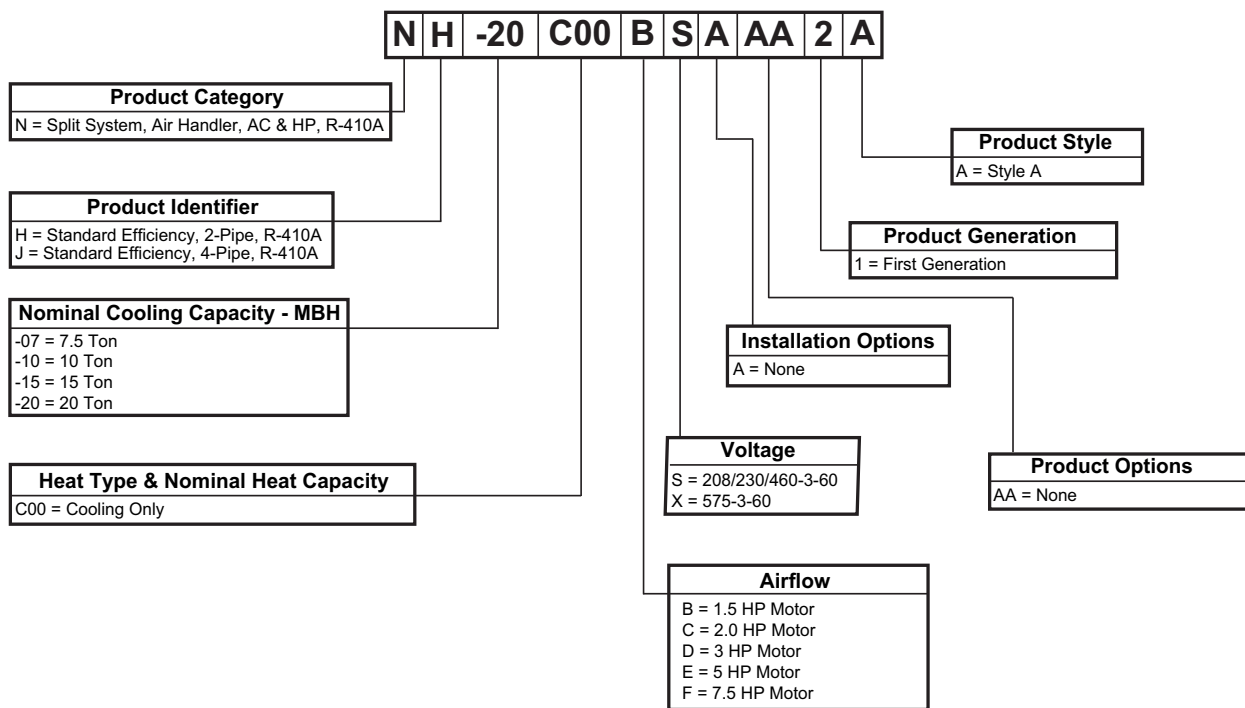
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Nomenclature

Configured Split Condenser Model Number Nomenclature



Configured Split Air Handler Model Number Nomenclature



Condensing Unit Features and Benefits

Features

- Meets or exceeds ASHRAE 90.1 standards.
- Scroll compressors provide both high efficiency and reliability.
- Simplicity® Controls
- Dual refrigerant circuits on PJ and YJ models.
- Condensing unit coils are constructed of reliable and durable Micro-Channel aluminum tube and fins for long lasting, efficient operation. Micro-Channel technology provides exceptional durability along with reduced product weight and less refrigerant charge. Heat pumps units are equipped with aluminum fin, copper tube coils providing durability, reliability and value.
- Multiple condensing unit and air handler match-ups provide a wide range of application choices from oversized indoor motors to dual indoor units matched-up with single outdoor units.
- Crankcase heaters that will be de-energized when compressors are operating.
- Both high and low pressure controls. Since these controls are self-contained, there are no capillary lines to be damaged.
- Internal compressor motor protection.
- Class 2, 24-volt thermostat control circuit protected by a re-settable breaker.
- Standard factory installed service valves.
- Filter-driers are shipped in the unit's control box for field installation in the liquid line leaving the outdoor unit.
- Copper stub-outs are factory mounted on the suction and liquid lines to simplify the field piping connections.
- Simplicity® Controls provide stable cooling operation at ambient temperatures down to 40°F with low ambient kits available for operation to 0°F.
- Capacity staging for more economical operation and stable temperature levels within the conditioned space.
- Simplicity® Controls prevent the unit from cycling on safety control with "Three Outs" technology preventing nuisance trips, but protecting the equipment when valid operational issues are experienced.
- Simplicity® Controls monitor each safety independently (High pressure, low pressure, low voltage) allowing ease of troubleshooting if any problems arise.
- Inherently protected condenser fan motors.
- Technicoated outdoor coils for sea coast or corrosive environment applications.
- Factory installed disconnect to allow power to be removed from the unit when performing periodic maintenance or for service.

- Factory installed powered or non-powered 115 volt GFI outlet.
- Factory installed phase monitor to protect the unit from phase loss or phase reversal.

Benefits

The UP condensing units and heat pumps can be applied on a rooftop or at ground level... due to their ample sub-cooling capacity which allows them to be located three or more stories below the evaporator coil.

After assembly, the unit is pressurized with a combination of Refrigerant R-410A and nitrogen for pressure testing and additional leak testing. During this pressure test, the operation of the high pressure control is checked. As the unit is being evacuated and dehydrated, the operation of the low pressure control is also checked.

Every compressor, condenser fan motor, crankcase heater, and electrical control circuit is checked to assure a trouble-free start-up and years of reliable operation. The condenser fan guards are vinyl-coated to provide additional rust protection and to enhance the appearance of the unit. Compressors are mounted on rubber isolators to reduce the transmission of vibration. Vertical discharge condenser fans direct sound upward and away from any surrounding structures.

All sheet metal parts are constructed of commercial grade galvanized steel. After fabrication, each part is thoroughly cleaned to remove any grease or dirt from its surfaces. The external parts are coated with a powder paint to assure a quality finish for many years. This UL approved coating system has passed the 1000 hour, 20% salt spray test per ASTM Standard B117.

All condensing unit and heat pump models include a 5-year limited warranty on the compressor(s) and 1-year limited warranty on all other parts. The matching line of air handling units carries a 1-year limited parts warranty.

Outdoor Unit Accessories

Coil Guards: Wireform coil guards for added protection of outdoor coils. Designed to mount on each side of the product if required to provide protection from minor impacts or large debris.

Hail Guards: Hood type hail guards designed to protect the outdoor coils from hail. Can be installed on a single side or both to provide protection from storms that may produce hail.

Low Ambient Kits: Kits designed to allow the cooling only units to operate between 0°F and 40°F in the cooling mode. Standard cooling is allowed to 40°F. (Not designed for operation on heat pump units).

Air Handling Unit Features and Benefits

Features

These air handlers can be arranged for a variety of air discharge patterns in either the horizontal or vertical position. Refer to the unit installation instructions for other application possibilities.

Benefits

Air handling units are designed with two distinct modules to provide maximum application flexibility. All are shipped as single packages with the blower module mounted on top of the coil module. The blower module can be repositioned in the field to meet a large number of vertical and horizontal applications.

The blower module includes the blower wheels along with factory-mounted motor and drive. All models offer two motor horsepower options to meet both standard and high static airflow requirements. The coil module includes direct expansion coils, 2 in. throwaway filters with the option to accept 4" filters, liquid line solenoid valves for capacity reduction, thermal expansion valves, distributors and a non-corrosive, composite condensate drain pan.

Every air handling coil is pressurized with air and leak tested under water. After the headers are brazed onto the coil and the coil is installed in the unit, the coil is pressurized with a combination of Refrigerant R-410A and nitrogen for pressure testing and additional leak testing. After the coil is evacuated and dehydrated, it is pressurized with a holding charge of Refrigerant R-410A for storage and/or shipping.

These air handlers, combined with condensing units, provide years of quiet, efficient and dependable operation. These units are manufactured under ISO 9001 Quality System Certification.

Unit Installation

Units may be bottom-supported or ceiling-suspended and can be arranged to meet almost any space or duct requirements. Each unit is available with a choice of blower motors horsepower and other accessories to make them suitable for most applications.

Blower Motors: Different HP motors are available for each unit to meet almost any air delivery requirement. All motors are UL approved, have permanently lubricated ball bearings and are factory-mounted within the insulated cabinet of the units to minimize the transmission of sound to the surrounding space.

Air Handling units are available in either two or four pipe configurations from 7.5 to 20 tons. The dual and single circuit options provide a wide variety of application and unit match-up possibilities.

Factory-Mounted Components

Part Load Operation: These air handlers with DX (Direct Expansion) coils rated at 10 tons of capacity and above have multiple coils with pre-piped distributors, expansion valves and solenoid valves. Field modifications are not required for part load operations. Capacity reduction not only provides economical operation, but also maintains stable temperature and humidity levels in the conditioned space.

Easy Service: Serviceable expansion valves are provided on every unit. These valves are factory-installed to provide many years of trouble-free operation. If service is required, it is not necessary to unbrazed any joints. The expansion valves also include a tee fitting to allow easy installation of hot gas bypass if required.

Coil Protection: The indoor coils of these air handlers can be factory Technicoated to provide extended life to the indoor coil in standard applications and additional corrosion protection on those applications in sea coast or corrosive environments.

Blower Motors: Different HP motors are available for each unit to meet almost any air delivery requirement. 1.5-5 HP motors are inherently protected. 7.5 HP will come equipped with a motor starter and overload protection.

Accessories

Base Sections: Base sections can be used to elevate units above the floor. If desired, a moderate percentage of outdoor air may be introduced through these sections by cutting an access opening to accommodate the outdoor air duct connection. These bases include a durable finish to match the evaporator blower unit. The base may have to be insulated for certain applications.

Hot Water Coils: Drainable water coils are available for field installation between the blower and the coil modules of both horizontal and vertical units. Since their casings match the dimensions and the finish of the basic units, they become an integral part of the unit after installation. The coils slide out of their casings for easy installation. Hot water coils have copper tubes that have been mechanically expanded into aluminum fins. Both headers are located on the same end of the coil. Coils are leak-tested at 325 psig under water and dried before their connections are capped for storage and shipping.

Steam Coils: Steam coils are available for installation between the blower and coil modules of both horizontal and vertical units. Since the casing matches the dimensions and the finish of the basic unit, it becomes an integral part of the unit after installation. The coil slides out of the casings for easy installation and is pitched in the casings to facilitate condensate drainage. The coil has copper tubes that have been mechanically expanded into aluminum fins. Both headers are located on the same end of the coil. The coil is leak-tested at 325 psig and dried before the connections are capped for storage and shipping.

Guide Specifications

Split System Cooling Only Condensing Units Models: YH-07 thru -20, YJ-10 thru -20 & Split System Heat Pump Models: PH-07 thru -20, PJ-15 thru -20

General

- Factory assembled, single piece, air cooled condensing unit designed for outdoor installation.
- Factory wired, piped, and tested for leakage and functionality to assure trouble-free installation and start-up.
- Rated in accordance with ARI Standard 340/360.
- Manufactured in a facility registered under the ISO 9002 manufacturing quality standard.
- Designed and tested in accordance with ASHRAE 15 Safety Code for Mechanical Refrigeration and comply with NEC.
- Cooling performance rated in accordance with DOE and ARI test procedures.
- CSA listed and classified to UL 1995/CAN/CSA No. 236- M90 standards.
- One year limited parts warranty on complete unit with an additional four year compressor warranty.

Unit Operating Characteristics

Operating Range shall be between 125° F to 40° F in cooling as standard from factory.

- The capacity of the condensing unit shall meet or exceed _____ Btuh at a suction temperature of _____ F. The power consumption at full load shall not exceed _____ kW.
- The combination of the condensing unit and the evaporator or fan coil unit shall have a total net cooling capacity of _____ Btuh or greater at conditions of _____ cfm entering-air temperature at the evaporator at _____ F wet bulb and _____ F dry bulb, and air entering the condensing unit at _____ F.
- The system shall have an EER of _____ Btuh/ Watt or greater at standard ARI conditions.

Installer Shall

- Furnish Brand air-cooled condensing units, heat pump or equivalent in accordance with the performance schedule shown on the plans, and
- Unit shall be stored and handled in accordance with unit manufacturer's instructions.
- Install each unit as shown on the plans in accordance with the manufacturer's recommendations and all applicable national and local codes

Unit Construction

- Constructed of zinc-coated, galvanized steel.
- Exterior surfaces bonded and coated with baked enamel finish by a powder paint process capable of withstanding a minimum of 1000 salt spray hours according to ASTM B117.
- Cabinet screws that comply with ASTM B117 salt spray test for a minimum of 750 hours.
- Permanently attached heavy-gage perimeter base rails with forklift slots and lifting holes.
- Removable access panels to all internal components.
- Separate access panel to controls.
- Access panels to allow outdoor coil cleaning.

Compressor(s)

- Hermetic scroll type, internally protected with high-pressure relief and over temperature protection.
- Two stage units operate in 50% capacity increments.
- Suction gas cooled
- Voltage range of $\pm 10\%$ of unit nameplate voltage.
- Neoprene isolators minimize sound transmission and vibration.
- Belly-band crankcase heaters keep refrigerant from diluting sump oil.
- Full charge of compressor oil

Outdoor Condenser Unit Coils

- Draw thru configuration
- Constructed with Micro-channel aluminum fins and aluminum tubing. All refrigerant tubing must share a common header.

Heat Pump Unit Outdoor Unit Coils

- Draw thru configuration
- Constructed with aluminum plate fins mechanically bonded to seamless internally enhanced copper tubes with all joints brazed.

Condenser Fans

- Direct driven propeller-type fans
- Statically and dynamically balanced
- Aluminum blades riveted to corrosion resistant steel spider brackets.
- Arranged for vertical air discharge.
- Equipped with PVC coated steel wire safety guards.

Condenser Motors

- Totally enclosed, air over cooled.
- Inherent overload protection.
- Permanently lubricated bearings.

- Must cycle to allow cooling operation down to 40°F.

Refrigerant Piping

- Solid core filter-drier(s) ship loose for field installation.
- Liquid and suction line service valves with gauge ports.
- Suction and discharge line service ports accessible from unit. Ports capped for leak prevention.
- Liquid line magnetic check valves
- Holding charge of R410A refrigerant.

Electrical Requirements

- Single-point connection electrical power.
- Nominal unit electrical characteristics shall be _____ v, 3-ph, 60 Hz. The unit shall be capable of satisfactory operation within voltage limits of _____ v to _____ v.
- Condenser fan motors and secondary of transformers shall be grounded.

Unit Controls

- All 24-volt control circuit, powered by a 24 volt transformer(s) and protected by a resettable breaker.
- Conventional thermostat must provide operation for both condensing units and heat pumps without an "O" output from the thermostat.
- Low voltage terminal strip for simple hook-up.
- Compressor motor protection shuts down unit for motor over-current, over-temperature or low voltage conditions.
- Safety lockouts provide reset capability at the space thermostat or base unit should any of the following standard safety devices trip and shut off compressor:
 - a. Loss-of-charge/Low-pressure switch.
 - b. High-pressure switch.
 - c. Control board diagnostics and fault code display.
 - d. Safety lockouts send a 24 volt signal to the control board's "X" terminal, allowing notification to the user via the thermostat fault light (if present).
 - e. Control board shall retain last 5 fault codes in non-volatile memory, which will not be lost in the event of a power loss. An LED (light-emitting diode) indicator flashes a fault code that indicates which safety switch has tripped.

Non-fused Disconnect Switch

- Factory-installed, internally mounted.
- Accessible from outside the unit.
- NEC and UL approved non-fused switch.
- Provides power off lockout capability.

Convenience Outlet

- Factory-installed, internally mounted.
- Accessible from outside the unit.
- 115V, 15 amp GFI receptacle with independent fuse protection.
- Required voltage provided by factory-installed step-down transformer or field supplied 115v circuit.

Low-ambient Head Pressure Control

- Standard operation down to 40 °F without a low ambient kit.
- Operation down to 0°F with a field-installed low ambient kit accessory. The controller modulates the fan motor speed in response to liquid line temperature or pressure.

Coil Guard

Factory or field installed decorative grille shall be placed on the units to protect condenser coil after installation.

Hail Guard Package

Field installed hail guard package shall protect coils against damage from hail and other flying debris.

Phenolic Coated Condenser Coils

Special phenolic coating available as a factory option on both outdoor and indoor coils.

Each Unit Shall Be:

- Covered by a 1-year limited parts warranty on the complete unit and 5-year on compressor(s).
- In current production with published literature available to check performance, limitations, specifications, power requirements, dimensions, operation and appearance.
- Indoor unit shall be equipped with a V-belt drive option that will permit the blower RPM to be adjusted to meet the CFM requirements of the air delivery system. (Refer to Technical Guide for Airflow Capabilities.)

Each Unit Enclosure Shall Have:

- Exterior panels of 18 gauge steel, finished with baked enamel to provide a long lasting quality appearance
- Removable panels to provide easy access to the internal components for maintenance and service on condensing units, heat pumps and air handlers
- Air handling units must have a filter rack that accepts both 2" and 4" filters.
- The dimensions of each unit shall not exceed those specified in the manufacture's literature.

- The minimum application clearances for condensing units, heat pumps and air handlers must meet those specified in the manufacturer's literature.

The Blower Motor Shall:

- Be mounted within the insulated cabinet to minimize the transmission of sound to the surrounding space, and any motor 7.5 HP or greater must have a service factor of 1.15.

The Evaporator Coil Shall:

- Consist of copper tubes arranged in staggered rows, mechanically expanded into aluminum fins,
- Be draw-through, and
- Include factory-mounted distributors, expansion valves and solenoid valves for capacity reduction.

The Blower Wheels Shall:

Be dynamically balanced to minimize the levels of sound and vibration generated by the unit.

Physical Data

YH-07 Thru -20 and YJ-10 Thru -20 Physical Data

Component		Models								
		YH-07	YH-10	YJ-10	YH-12	YJ-12	YH-15	YJ-15	YH-20	YJ-20
Nominal Tonnage		7.5	10	10	12.5	12.5	15	15	20	20
REFRIGERANT										
Refrigerant type		R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Holding charge (lb) ¹		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Operating Charge (lb) ²	System #1	4.7	6.5	3.3	9.6	4.8	10.8	5.4	12.8	6.4
	System #2	---	---	3.3	---	4.8	---	5.4	---	6.4
DIMENSIONS (inches)										
Length		59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
Width		31.9	31.9	31.9	31.9	31.9	64.1	64.1	64.1	64.1
Height		44.5	50.0	50.0	50.0	50.0	44.5	44.5	50.0	50.0
WEIGHTS (lb)										
Shipping		330	450	445	450	445	685	685	715	715
Operating		325	445	440	445	440	675	675	710	710
COMPRESSORS										
Type		Single Scroll	Tandem Scroll	Single Scroll	Tandem Scroll	Tandem Scroll	Tandem Scroll	Tandem Scroll	Tandem Scroll	Tandem Scroll
Quantity		1	1	2	1	1	1	1	1	1
Nominal Capacity (Tons)	System #1	7.5	10	5	12.5	6.3	15	7.5	20	10
	System #2	---	---	5	---	6.3	---	7.5	---	10
Capacity Stages	System #1	1	2	1	2	1	2	1	2	1
	System #2	---	---	1	---	1	---	1	---	1
SYSTEM DATA										
No. Refrigeration Circuits		1	1	2	1	2	1	2	1	2
Suction Line OD (in.)		1 1/8	1 3/8	1 1/8	1 3/8	1 1/8	1 5/8	1 1/8	1 5/8	1 3/8
Liquid Line OD (in.)		5/8	7/8	5/8	7/8	5/8	7/8	5/8	7/8	7/8
OUTDOOR COIL DATA										
Face area (Sq. Ft.)		23.8	29.0	29.0	29.0	29.0	47.5	47.5	58.1	58.1
Rows		1	1	1	1	1	1	1	1	1
Fins per inch		23	23	23	23	23	23	23	23	23
Tube diameter (in./MM)		0.71 / 18	0.71 / 18	0.71 / 18	0.71 / 18	0.71 / 18	0.71 / 18	0.71 / 18	0.71 / 18	0.71 / 18
Circuitry Type		2-pass	2-pass	2-pass	2-pass	2-pass	2-pass	2-pass	2-pass	2-pass
Refrigerant Control		---	---	---	---	---	---	---	---	---
CONDENSER FAN DATA										
No. Fans / Diameter (in.)		2/24	2/24	2/24	4/24	4/24	4/24	4/24	4/24	4/24
Type		Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial
Drive type		Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct
No. speeds		1	1	1	1	1	1	1	1	1
Number of motors	System #1	2	2	2	2	2	4	2	4	2
	System #2	---	---	---	---	---	---	2	---	2
Motor HP (ea.)		1/3	3/4	3/4	3/4	3/4	1/3	1/3	3/4	3/4
Rotation ³		CW	CW	CW	CW	CW	CW	CW	CW	CW
RPM		850	850	1100	1100	1100	850	850	1100	1100
Nominal CFM	System #1	7500	9800	9800	9800	9800	15000	7500	19600	9800
	System #2	---	---	---	---	---	---	7500	---	9800

¹ Holding Charge is the amount in the unit as shipped from the factory.

² Includes matched indoor blower unit but no piping.

³ When viewing the shaft end of the motor.

PH-07 Thru -20 and PJ-15 Thru -20 Physical Data

Component		Models					
		PH-07	PH-10	PH-15	PJ-15	PH-20	PJ-20
Nominal Tonnage		7.5	10	15	15	20	20
REFRIGERANT							
Refrigerant type		R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Holding charge (lb) ¹		1.0	1.0	1.0	1.0	1.0	1.0
Operating Charge (lb) ²	System #1	16.1	23.3	35.7	17.9	44.2	22.1
	System #2	---	---	---	17.9	---	22.1
DIMENSIONS (inches)							
Length		59.1	59.1	59.1	59.1	59.1	59.1
Width		31.9	31.9	64.1	64.1	64.1	64.1
Height		44.5	50.0	44.5	44.5	50.0	50.0
WEIGHTS (lb)							
Shipping		405	550	815	810	985	980
Operating		415	560	840	835	1010	1005
COMPRESSORS							
Type		Single Scroll	Tandem Scroll	Tandem Scroll	Single Scroll	Tandem Scroll	Tandem Scroll
Quantity		1	1	1	2	1	2
Nominal Capacity (Tons)	System #1	7.5	10	15	7.5	20	10
	System #2	---	---	---	7.5	---	10
Capacity Stages	System #1	1	2	2	1	2	1
	System #2	---	---	---	1	---	1
SYSTEM DATA							
No. Refrigeration Circuits		1	1	1	2	1	2
Suction Line OD (in.)		1 1/8	1 3/8	1 5/8	1 1/8	1 5/8	1 3/8
Liquid Line OD (in.)		5/8	7/8	7/8	5/8	7/8	7/8
OUTDOOR COIL DATA							
Face area (Sq. Ft.)		23.75	29.03	29.03	29.03	47.5	47.5
Rows		2	2	2	2	2	2
Fins per inch		20	20	20	20	20	20
Tube diameter (in./MM)		0.38 / 10	0.38 / 10	0.38 / 10	0.38 / 10	0.38 / 10	0.38 / 10
Circuitry Type		Interlaced	Interlaced	Interlaced	Interlaced	Interlaced	Interlaced
Refrigerant Control		TXV	TXV	TXV	TXV	TXV	TXV
CONDENSER FAN DATA							
No. Fans / Diameter (in.)		2/24	2/24	2/24	2/24	4/24	4/24
Type		Axial	Axial	Axial	Axial	Axial	Axial
Drive type		Direct	Direct	Direct	Direct	Direct	Direct
No. speeds		1	1	1	1	1	1
Number of motors	System #1	2	2	4	2	4	2
	System #2	---	---	---	2	---	2
Motor HP (ea.)		1/3	3/4	1/3	1/3	3/4	3/4
Rotation ³		CW	CW	CW	CW	CW	CW
RPM		850	1100	850	850	1100	1100
Nominal CFM	System #1	7500	9800	15000	7500	19600	9800
	System #2	---	---	---	7500	---	9800

Physical Data Indoor Unit

Component	Models						
	NH-07	NH-10	NJ-10	NH-15	NJ-15	NH-20	NJ-20
Nominal Tonnage	7 1/2	10	10	15	15	20	20
DIMENSIONS (inches)							
Length	30.0	30.0	30.0	33.0	33.0	30.0	30.0
Width	56.0	56.0	56.0	74.5	74.5	98.5	98.5
Height	65.0	65.0	65.0	75.0	75.0	65.0	65.0
WEIGHTS (lb)							
Unit Shipping	405	512	512	681	681	874	874
Unit Operating With							
Standard Motor and Drive	381	468	468	632	632	816	816
High Static Motor and Drive	385	492	492	661	661	854	854
INDOOR BLOWER (Forward Curve)							
Diameter x Width	12 x 12	15 x 15	15 x 15	18 x 18	18 x 18	15 x 15	15 x 15
Quantity	1	1	1	1	1	2	2
INDOOR COIL							
Face area (Sq. Ft.)	10.6	10.6	10.6	18.3	18.3	20.0	20.0
Rows	3	4	4	3	4	4	3
Fins per inch	15	15	15	15	15	15	15
Tube diameter	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Circuitry Type	Interlaced	Interlaced	Interlaced	Interlaced	Interlaced	Interlaced	Interlaced
Refrigerant Control	TXV	TXV	TXV	TXV	TXV	TXV	TXV
Operating Charge (lb)	4	6	6	10	10	10	10
SYSTEM DATA							
No. Refrigeration Circuits	1	1	2	1	2	1	2
Suction Line OD (in.)	1 1/8	1 3/8	1 1/8	1 5/8	1 1/8	1 5/8	1 3/8
Liquid Line OD (in.)	5/8	7/8	5/8	7/8	5/8	7/8	7/8
FILTERS							
Size and Quantity Per Model (In.)	16 x 25 x 2	4	4	4	---	---	8
	20 x 24 x 2	---	---	---	6	6	---
FACE AREA (SQ. FT.)							
Size and Quantity Per Model (In.)	16 x 25 x 4	4	4	4	---	---	8
	18 x 24 x 4	---	---	---	6	6	---
FACE AREA (SQ. FT.)							
	11.1	11.1	11.1	18.0	18.0	22.2	22.2

Unit Limitations

Condenser Unit limitations

Size (Tons)	Model	Unit Voltage	Applied Voltage ¹		Outdoor DB Temp Cooling (°F)		Indoor DB Temp Cooling (°F)		Outdoor DB Temp Heating (°F)		Indoor DB Temp Heating (°F)	
			Min	Max	Max	Min [†]	Max	Min	Max	Min	Max	Min
-07 (7.5)	PH	208/230-3-60	187	252	125	40	86	68	70	0	80	50
		460-3-60	432	504								
		575-3-60	540	630								
-07 (7.5)	YH	208/230-3-60	187	252	125	40	86	68	-	-	-	-
		460-3-60	432	504								
		575-3-60	540	630								
-10 (10)	PH	208/230-3-60	187	252	125	40	86	68	70	0	80	50
		460-3-60	432	504								
		575-3-60	540	630								
-10 (10)	YH/YJ	208/230-3-60	187	252	125	40	86	68	-	-	-	-
		460-3-60	432	504								
		575-3-60	540	630								
-12 (12.5)	YH/YJ	208/230-3-60	187	252	125	40	86	68	-	-	-	-
		460-3-60	432	504								
		575-3-60	540	630								
-15 (15)	PH/PJ	208/230-3-60	187	252	125	40	86	68	70	0	80	50
		460-3-60	432	504								
		575-3-60	540	630								
-15 (15)	YH/YJ	208/230-3-60	187	252	125	40	86	68	-	-	-	-
		460-3-60	432	504								
		575-3-60	540	630								
-20 (20)	PH/PJ	208/230-3-60	187	252	125	40	86	68	70	0	80	50
		460-3-60	432	504								
		575-3-60	540	630								
-20 (20)	YH/YJ	208/230-3-60	187	252	125	40	86	68	-	-	-	-
		460-3-60	432	504								
		575-3-60	540	630								

1. Rated in accordance with ARI Standard 110, Range "A" Utilization Voltage.

†. Low Ambient accessories are available to permit stable system operation at ambient temperatures down to 0°F.

Air Handling Unit Limitations

Model	Power Supply Voltage	Voltage Variation		Supply Air Range CFM		Entering Air Temperature Degrees °F			
						Cooling DB/WB		Heating DB ¹	
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
NH-07	208/230-3-60	187	253	2,250	3,750	65/57	90/77	40	80
	460-3-60	414	506	2,250	3,750	65/57	90/77	40	80
	575-3-60	540	630	2,250	3,750	65/57	90/77	40	80
NH-10	208/230-3-60	187	253	3,000	5,000	65/57	90/77	40	80
	460-3-60	414	506	3,000	5,000	65/57	90/77	40	80
	575-3-60	540	630	3,000	5,000	65/57	90/77	40	80
NJ-10	208/230-3-60	187	253	3,000	5,000	65/57	90/77	40	80
	460-3-60	414	506	3,000	5,000	65/57	90/77	40	80
	575-3-60	540	630	3,000	5,000	65/57	90/77	40	80
NH-15	208/230-3-60	187	253	4,500	7,500	65/57	90/77	40	80
	460-3-60	414	506	4,500	7,500	65/57	90/77	40	80
	575-3-60	540	630	4,500	7,500	65/57	90/77	40	80
NJ-15	208/230-3-60	187	253	4,500	7,500	65/57	90/77	40	80
	460-3-60	414	506	4,500	7,500	65/57	90/77	40	80
	575-3-60	540	630	4,500	7,500	65/57	90/77	40	80
NH-20	208/230-3-60	187	253	6,000	10,000	65/57	90/77	40	80
	460-3-60	414	506	6,000	10,000	65/57	90/77	40	80
	575-3-60	540	630	6,000	10,000	65/57	90/77	40	80
NJ-20	208/230-3-60	187	253	6,000	10,000	65/57	90/77	40	80
	460-3-60	414	506	6,000	10,000	65/57	90/77	40	80
	575-3-60	540	630	6,000	10,000	65/57	90/77	40	80

¹ Heating Min/Max temperatures apply to steam and hot water coils. NOTE: Do not apply steam to hot water coils.

Cooling and Heating Ratings

Cooling And Heating Rating

Outdoor Unit	Condensing Unit Only			Indoor Unit	System Cooling Capacity ¹				Heating Capacity ¹				Rated Airflow (CFM)
	Gross Capacity ² (MBH)	KW	EER		Gross Capacity ³ (MBH)	EER	IEER	IPLV	High Outdoor		Low Outdoor		
									Gross Capacity ² (MBh)	COP	Gross Capacity ² (MBh)	COP	
PH-10 ⁴	N/A	N/A	N/A	NH-07	92	11.0	11.4	---	82	3.3	49	2.3	3000
PH-10 ⁴	N/A	N/A	N/A	NH-10	124	11.0	11.4	11.8	109	3.3	63	2.1	4000
PH-15 ⁴	N/A	N/A	N/A	NH-15	180	10.6	11.5	12.4	168	3.3	104	2.3	6000
PJ-15 ⁴	N/A	N/A	N/A	NJ-15	180	10.6	11.5	12.0	168	3.4	103	2.4	6000
PH-20 ⁴	N/A	N/A	N/A	NH-20	238	10.6	12.4	12.5	216	3.3	139	2.5	8000
PJ-20 ⁴	N/A	N/A	N/A	NJ-20	238	10.6	11.7	12.1	220	3.4	124	2.2	8000
YH-07	85	6.8	12.4	NH-07	94	11.2	13.0	---	N/A	N/A	N/A	N/A	3000
YH-07	85	6.8	12.4	NH-10	99	11.9	13.0	---	N/A	N/A	N/A	N/A	3000
YH-10	110	9.3	11.9	NH-10	124	11.4	12.5	12.9	N/A	N/A	N/A	N/A	4000
YJ-10	108	9.1	11.8	NJ-10	124	11.2	11.2	11.6	N/A	N/A	N/A	N/A	4000
YH-12	133	11.6	11.5	NH-15	150	11.0	13.3	13.8	N/A	N/A	N/A	N/A	5000
YJ-12	136	11.5	11.8	NJ-15	150	11.0	12.1	12.3	N/A	N/A	N/A	N/A	5000
YH-15	160	13.4	12.0	NH-15	181	11.2	12.2	12.5	N/A	N/A	N/A	N/A	6000
YH-15	160	13.4	12.0	NH-20	190	11.7	12.7	12.5	N/A	N/A	N/A	N/A	6000
YJ-15	166	12.3	13.4	NJ-15	181	11.2	11.6	12.4	N/A	N/A	N/A	N/A	6000
YJ-15	166	12.3	13.4	(2)NH-07	187	11.2	--	--	N/A	N/A	N/A	N/A	6000
YJ-15	166	12.3	13.4	(2)NH-10	187	11.2	--	--	N/A	N/A	N/A	N/A	6000
YJ-15	166	12.3	13.4	NJ-20	190	11.7	13.4	11.2	N/A	N/A	N/A	N/A	6000
YH-20	233	17.5	13.2	NH-20	242	11.3	13.6	13.1	N/A	N/A	N/A	N/A	8000
YJ-20	222	17.3	12.8	NJ-20	242	11.3	11.9	12.6	N/A	N/A	N/A	N/A	8000
YJ-20	222	17.3	12.8	(2)NH-10	240	11.6	--	--	N/A	N/A	N/A	N/A	8000

¹ Certified in accordance with the Unitary Large Equipment certification program, which is based on ARI Standard 340/360.

² Condensing unit only ratings are at 45°F SST and 95°F entering-air temperature.

³ Gross capacity does not include heat added by blower motor. Refer to appropriate table for blower horsepower.

⁴ Heat Pumps designed for matched systems only.

LEGEND

EER = Energy Efficiency Ratio

ARI = Air Conditioning and Refrigeration Institute

IPLV = Integrated Part-Load Value

IEER = Integrated Energy Efficiency Ratio

Capacity Performance

Condenser and Air Handling Cooling Capacities

YH-07 / NH-07

Air on Evaporator Coil		Temperature of Air on Condenser Coil																	
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)							
				Return Dry Bulb (°F)								Return Dry Bulb (°F)							
				90	85	80	75	70	65			90	85	80	75	70	65		
		75°F									85°F								
2250	77	110.8	6.0	51.5	42.0	32.6	-	-	-	107.2	6.5	49.8	40.4	30.9	-	-	-		
	72	103.3	5.7	66.5	57.0	47.6	38.1	-	-	99.9	6.3	64.9	55.4	46.0	36.5	-	-		
	67	95.9	5.5	81.5	72.0	62.6	53.1	43.6	-	92.6	6.2	80.0	70.5	61.0	51.6	42.1	-		
	62	88.0	5.4	88.0	86.3	76.8	67.3	57.8	48.3	84.8	6.1	84.8	83.9	74.5	65.0	55.5	46.1		
	57	77.7	5.2	77.7	77.7	72.2	62.8	53.3	43.8	80.1	6.0	80.1	80.1	73.1	63.6	54.2	44.7		
2625	77	114.0	6.0	56.3	45.6	34.8	-	-	-	110.2	6.5	54.6	44.0	33.3	-	-	-		
	72	106.3	5.7	72.3	61.6	50.9	40.1	-	-	102.7	6.3	70.8	60.2	49.6	38.9	-	-		
	67	98.7	5.4	88.4	77.6	66.9	56.2	45.5	-	95.2	6.2	87.1	76.4	65.8	55.2	44.5	-		
	62	90.6	5.4	90.6	89.7	82.2	71.9	60.7	50.0	87.1	6.1	87.1	86.7	80.3	69.6	59.0	48.3		
	57	79.9	5.2	79.9	79.9	77.2	67.3	55.8	45.0	82.3	6.0	82.3	82.3	78.8	68.2	57.5	46.9		
3000	77	117.2	5.9	61.0	49.1	37.1	-	-	-	113.1	6.5	59.4	47.5	35.7	-	-	-		
	72	109.3	5.7	78.1	66.2	54.2	42.2	-	-	105.4	6.4	76.8	65.0	53.1	41.3	-	-		
	67	101.4	5.4	95.2	83.2	71.3	59.3	47.3	-	97.7	6.2	94.2	82.4	70.5	58.7	46.9	-		
	62	93.1	5.4	93.1	93.1	87.5	76.5	63.6	51.6	89.5	6.1	89.5	89.5	86.1	74.2	62.4	50.6		
	57	82.2	5.2	82.2	82.2	82.2	71.7	58.3	46.3	84.5	6.0	84.5	84.5	84.5	72.7	60.8	49.0		
3375	72	109.2	5.8	83.0	70.2	57.3	44.4	-	-	105.4	6.4	81.6	68.8	56.0	43.2	-	-		
	67	101.3	5.5	98.2	88.2	75.3	62.5	49.6	-	97.7	6.3	96.0	87.2	74.3	61.5	48.7	-		
	62	93.0	5.5	93.0	93.0	90.2	77.8	64.5	51.6	89.5	6.2	89.5	89.5	87.8	75.0	62.1	49.3		
	57	82.1	5.3	82.1	82.1	82.1	70.0	56.4	43.5	84.5	6.1	84.5	84.5	84.5	71.7	58.9	46.0		
	3750	72	109.1	5.9	87.9	74.2	60.4	46.6	-	-	105.5	6.5	86.5	72.6	58.8	45.0	-	-	
67		101.2	5.6	101.2	93.2	79.4	65.7	51.9	-	97.8	6.3	97.8	91.9	78.1	64.3	50.5	-		
62		92.9	5.6	92.9	92.9	92.9	79.1	65.3	51.6	89.5	6.2	89.5	89.5	89.5	75.7	61.9	48.1		
57		82.0	5.4	82.0	82.0	82.0	68.2	54.4	40.7	84.5	6.1	84.5	84.5	84.5	70.7	56.9	43.1		
		95°F									105°F								
2250	77	103.7	6.9	48.1	38.7	29.2	-	-	-	99.2	8.0	47.5	38.1	28.6	-	-	-		
	72	96.5	6.9	63.3	53.8	44.4	35.0	-	-	92.2	8.0	62.1	52.6	43.2	33.7	-	-		
	67	89.4	6.9	78.4	69.0	59.5	50.1	40.7	-	85.2	8.0	76.6	67.2	57.7	48.3	38.8	-		
	62	81.6	6.7	81.6	81.6	72.1	62.7	53.3	43.8	77.9	7.7	77.9	77.9	69.2	59.7	50.3	40.9		
	57	82.5	6.7	82.5	82.5	74.0	64.5	55.1	45.7	78.8	7.8	78.8	78.8	70.0	60.5	51.1	41.6		
2625	77	106.4	7.0	52.9	42.3	31.8	-	-	-	101.7	8.1	53.5	41.7	31.1	-	-	-		
	72	99.0	7.0	69.4	58.8	48.2	37.7	-	-	94.5	8.1	68.1	57.5	46.9	36.3	-	-		
	67	91.7	6.9	85.8	75.3	64.7	54.1	43.6	-	87.3	8.0	82.8	73.3	62.7	52.1	41.5	-		
	62	83.7	6.8	83.7	83.7	78.4	67.3	57.2	46.7	79.9	7.8	79.9	79.9	75.2	64.4	54.0	43.4		
	57	84.6	6.7	84.6	84.6	80.4	69.1	59.2	48.7	80.7	7.9	80.7	80.7	76.1	65.1	54.8	44.2		
3000	77	109.0	7.1	57.7	46.0	34.3	-	-	-	104.1	8.1	59.4	45.4	33.6	-	-	-		
	72	101.5	7.0	75.5	63.8	52.1	40.4	-	-	96.8	8.1	74.2	62.5	50.7	38.9	-	-		
	67	94.0	7.0	93.3	81.5	69.8	58.1	46.4	-	89.4	8.1	89.0	79.5	67.8	56.0	44.3	-		
	62	85.8	6.8	85.8	85.8	84.6	72.0	61.2	49.5	81.8	7.9	81.8	81.8	81.2	69.0	57.7	46.0		
	57	86.8	6.8	86.8	86.8	86.8	73.6	63.4	51.7	82.7	7.9	82.7	82.7	82.1	69.6	58.6	46.9		
3375	72	101.7	7.1	80.2	67.5	54.7	41.9	-	-	96.9	8.1	79.2	66.3	53.5	40.7	-	-		
	67	94.2	7.0	93.8	86.1	73.3	60.5	47.7	-	89.5	8.1	89.4	83.7	71.5	58.7	45.8	-		
	62	86.0	6.8	86.0	86.0	85.4	72.1	59.8	47.0	82.0	7.9	82.0	82.0	81.7	68.6	56.0	43.2		
	57	86.9	6.8	86.9	86.9	86.9	73.4	61.4	48.6	82.8	7.9	82.8	82.8	82.6	69.3	56.9	44.1		
	3750	72	101.9	7.1	85.0	71.1	57.3	43.4	-	-	97.1	8.1	84.1	70.2	56.3	42.4	-	-	
67		94.3	7.0	94.3	90.7	76.8	62.9	49.1	-	89.7	8.1	89.7	87.9	75.3	61.4	47.4	-		
62		86.1	6.9	86.1	86.1	86.1	72.3	58.4	44.5	82.1	7.9	82.1	82.1	82.1	68.2	54.3	40.4		
57		87.1	6.9	87.1	87.1	87.1	73.2	59.4	45.5	83.0	7.9	83.0	83.0	83.0	69.1	55.2	41.2		

YH-07 / NH-07 (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		115°F										125°F					
2250	77	94.7	9.0	46.9	37.5	28.0	-	-	-	90.2	10.1	46.3	36.9	27.4	-	-	-
	72	87.8	9.1	60.9	51.4	42.0	32.5	-	-	83.4	10.2	59.7	50.2	40.8	31.3	-	-
	67	80.9	9.1	74.8	65.4	55.9	46.5	37.0	-	76.7	10.3	73.0	63.6	54.1	44.6	35.2	-
	62	74.3	8.8	74.3	74.3	66.2	56.8	47.3	37.9	70.6	9.9	70.6	70.6	63.3	53.8	44.3	34.9
	57	75.0	8.9	75.0	75.0	66.0	56.5	47.0	37.6	71.3	10.0	71.3	71.3	61.9	52.5	43.0	33.5
2625	77	97.0	9.1	54.0	41.1	30.5	-	-	-	92.3	10.1	54.6	40.5	29.8	-	-	-
	72	89.9	9.1	66.9	56.3	45.6	35.0	-	-	85.3	10.2	65.7	55.0	44.3	33.7	-	-
	67	82.8	9.2	79.8	71.4	60.8	50.2	39.5	-	78.4	10.3	76.8	69.5	58.9	48.2	37.5	-
	62	76.1	8.8	76.1	76.1	72.0	61.4	50.8	40.1	72.2	9.9	72.2	72.2	68.9	58.4	47.5	36.9
	57	76.8	9.0	76.8	76.8	71.7	61.1	50.5	39.8	72.9	10.1	72.9	72.9	67.4	57.1	46.1	35.4
3000	77	99.2	9.1	61.1	44.7	32.9	-	-	-	94.3	10.2	62.8	44.1	32.2	-	-	-
	72	92.0	9.2	72.9	61.1	49.3	37.5	-	-	87.2	10.3	71.7	59.8	47.9	36.1	-	-
	67	84.8	9.2	84.8	77.5	65.7	53.9	42.1	-	80.2	10.3	80.2	75.5	63.6	51.8	39.9	-
	62	77.8	8.9	77.8	77.8	77.8	66.0	54.2	42.4	73.8	9.9	73.8	73.8	73.8	63.0	50.7	38.8
	57	78.6	9.0	78.6	78.6	77.5	65.7	53.9	42.1	74.5	10.1	74.5	74.5	72.9	61.8	49.1	37.3
3375	72	92.2	9.2	78.1	65.2	52.3	39.4	-	-	87.4	10.2	77.0	64.1	51.2	38.2	-	-
	67	84.9	9.2	84.9	81.3	69.7	56.8	44.0	-	80.3	10.3	80.3	78.9	67.9	55.0	42.1	-
	62	78.0	8.9	78.0	78.0	78.0	65.1	52.2	39.3	74.0	9.9	74.0	74.0	74.0	61.5	48.4	35.4
	57	78.7	9.0	78.7	78.7	78.2	65.3	52.4	39.5	74.6	10.1	74.6	74.6	73.8	61.3	47.9	35.0
3750	72	92.3	9.1	83.3	69.3	55.4	41.4	-	-	87.5	10.2	82.4	68.4	54.4	40.4	-	-
	67	85.1	9.2	85.1	85.1	73.8	59.8	45.8	-	80.4	10.3	80.4	80.4	72.2	58.2	44.2	-
	62	78.1	8.9	78.1	78.1	78.1	64.1	50.2	36.2	74.1	9.9	74.1	74.1	74.1	60.1	46.1	32.1
	57	78.9	9.0	78.9	78.9	78.9	64.9	51.0	37.0	74.8	10.0	74.8	74.8	74.8	60.8	46.8	32.8

¹ These capacities are gross ratings. For net capacity, deduct supply air blower motor, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

² These ratings include the condenser fan motors and the compressor motors but not the supply air blower motor.

YH-07 / NH-10

Air on Evaporator Coil		Temperature of Air on Condenser Coil																			
CFM WB (°F)		Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)									
				Return Dry Bulb (°F)								Return Dry Bulb (°F)									
				90	85	80	75	70	65			90	85	80	75	70	65				
		75°F										85°F									
2250	77	105.1	6.0	49.2	40.2	31.1	-	-	-	108.2	6.6	50.3	41.2	32.1	-	-	-				
	72	100.1	5.8	63.3	54.2	45.1	36.0	-	-	101.4	6.5	63.6	54.6	45.5	36.4	-	-				
	67	95.1	5.7	77.3	68.2	59.1	50.0	40.9	-	94.6	6.3	77.0	67.9	58.8	49.7	40.7	-				
	62	87.9	5.6	87.9	80.9	71.8	62.7	53.7	44.6	87.7	6.2	87.7	80.9	71.8	62.7	53.7	44.6				
	57	83.1	5.5	83.1	83.1	76.8	67.7	58.6	49.5	84.1	6.2	84.1	84.1	77.2	68.2	59.1	50.0				
2625	77	109.8	6.0	53.6	43.4	33.2	-	-	-	112.0	6.7	54.5	44.3	34.1	-	-	-				
	72	104.5	5.9	68.6	58.3	48.1	37.9	-	-	105.0	6.5	68.6	58.4	48.3	38.1	-	-				
	67	99.3	5.7	83.5	73.3	63.1	52.9	42.6	-	97.9	6.4	82.8	72.6	62.4	52.2	42.1	-				
	62	91.8	5.6	91.8	86.9	76.7	66.8	56.2	46.0	90.7	6.2	90.7	86.4	76.2	66.0	55.8	45.7				
	57	86.7	5.6	86.7	86.7	82.0	72.3	61.5	51.3	87.1	6.2	87.1	87.1	82.0	71.8	61.6	51.4				
3000	77	114.5	6.1	58.0	46.6	35.3	-	-	-	115.8	6.7	58.7	47.4	36.1	-	-	-				
	72	109.0	5.9	73.9	62.5	51.2	39.8	-	-	108.5	6.6	73.6	62.3	51.1	39.8	-	-				
	67	103.5	5.8	89.8	78.4	67.1	55.7	44.4	-	101.2	6.4	88.6	77.3	66.0	54.7	43.4	-				
	62	95.7	5.7	95.7	92.9	81.5	70.8	58.8	47.5	93.8	6.3	93.8	91.9	80.6	69.3	58.0	46.7				
	57	90.4	5.6	90.4	90.4	87.1	76.9	64.4	53.1	90.0	6.3	90.0	90.0	86.7	75.4	64.1	52.8				
3375	72	110.2	6.0	77.6	65.3	53.1	40.8	-	-	110.3	6.6	77.7	65.4	53.2	40.9	-	-				
	67	104.6	5.8	94.1	81.8	69.5	57.3	45.0	-	102.9	6.5	93.3	81.0	68.8	56.5	44.3	-				
	62	96.7	5.7	96.7	95.3	84.5	72.6	60.0	47.7	95.3	6.3	95.3	94.4	84.0	71.7	59.5	47.2				
	57	91.4	5.6	91.4	91.4	89.8	78.0	65.2	53.0	91.5	6.3	91.5	91.5	89.8	77.6	65.3	53.1				
3750	72	111.4	6.0	81.3	68.1	54.9	41.8	-	-	112.1	6.6	81.7	68.5	55.3	42.1	-	-				
	67	105.8	5.9	98.4	85.2	72.0	58.8	45.6	-	104.5	6.5	97.9	84.7	71.5	58.3	45.1	-				
	62	97.8	5.7	97.8	97.8	87.5	74.3	61.1	47.9	96.8	6.4	96.8	96.8	87.3	74.1	60.9	47.7				
	57	92.4	5.7	92.4	92.4	92.4	79.2	66.0	52.8	93.0	6.3	93.0	93.0	93.0	79.8	66.6	53.4				
		95°F										105°F									
2250	77	111.4	7.2	51.3	42.3	33.2	-	-	-	107.2	8.2	49.9	40.9	31.8	-	-	-				
	72	102.8	7.1	64.0	54.9	45.9	36.8	-	-	99.1	8.0	62.6	53.5	44.5	35.4	-	-				
	67	94.2	7.0	76.7	67.6	58.5	49.5	40.4	-	90.9	7.9	75.3	66.2	57.1	48.1	39.0	-				
	62	87.4	6.8	87.4	80.9	71.8	62.7	53.6	44.6	84.0	7.8	84.0	79.3	70.2	61.1	52.0	43.0				
	57	85.2	6.8	85.2	85.2	77.7	68.6	59.6	50.5	82.3	7.7	82.3	82.3	74.9	65.8	56.8	47.7				
2625	77	114.2	7.3	55.3	45.2	35.0	-	-	-	110.2	8.3	53.9	43.8	33.6	-	-	-				
	72	105.4	7.2	68.7	58.5	48.4	38.2	-	-	101.8	8.1	67.4	57.2	47.0	36.9	-	-				
	67	96.6	7.0	82.1	71.9	61.8	51.6	41.5	-	93.4	8.0	80.8	70.6	60.5	50.3	40.1	-				
	62	89.6	6.9	89.6	85.9	75.8	65.3	55.5	45.3	86.3	7.9	86.3	83.7	74.3	63.9	53.9	43.8				
	57	87.4	6.8	87.4	87.4	82.0	71.3	61.7	51.6	84.6	7.8	84.6	84.6	79.3	68.8	58.9	48.8				
3000	77	117.1	7.3	59.3	48.1	36.9	-	-	-	113.1	8.3	58.0	46.7	35.5	-	-	-				
	72	108.0	7.2	73.4	62.2	50.9	39.7	-	-	104.5	8.2	72.1	60.9	49.6	38.4	-	-				
	67	99.0	7.1	87.5	76.2	65.0	53.8	42.5	-	95.9	8.1	86.3	75.0	63.8	52.5	41.3	-				
	62	91.9	6.9	91.9	91.0	79.7	67.9	57.3	46.0	88.6	7.9	88.6	88.2	78.3	66.8	55.8	44.6				
	57	89.6	6.9	89.6	89.6	86.3	74.0	63.8	52.6	86.9	7.8	86.9	86.9	83.6	71.8	61.1	49.8				
3375	72	110.4	7.2	77.7	65.5	53.3	41.1	-	-	106.7	8.2	76.4	64.2	52.0	39.7	-	-				
	67	101.2	7.1	92.5	80.2	68.0	55.8	43.6	-	97.9	8.1	91.3	79.0	66.8	54.6	42.3	-				
	62	93.9	7.0	93.9	93.4	83.4	70.9	59.0	46.8	90.5	8.0	90.5	90.3	82.0	69.7	57.6	45.3				
	57	91.5	6.9	91.5	91.5	89.9	77.1	65.5	53.2	88.7	7.9	88.7	88.7	87.1	74.6	62.6	50.4				
3750	72	112.8	7.3	82.1	68.9	55.7	42.4	-	-	108.9	8.3	80.8	67.6	54.3	41.1	-	-				
	67	103.3	7.1	97.4	84.2	71.0	57.8	44.6	-	100.0	8.1	96.3	83.0	69.8	56.6	43.4	-				
	62	95.9	7.0	95.9	95.9	87.1	73.9	60.7	47.5	92.4	8.0	92.4	92.4	85.8	72.5	59.3	46.1				
	57	93.5	6.9	93.5	93.5	93.5	80.3	67.1	53.9	90.5	7.9	90.5	90.5	90.5	77.3	64.1	50.9				

YH-07 / NH-10 (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil																			
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)									
				Return Dry Bulb (°F)								Return Dry Bulb (°F)									
				90	85	80	75	70	65			90	85	80	75	70	65				
		115°F										125°F									
2250	77	103.1	9.1	48.5	39.5	30.4	-	-	-	98.9	10.1	47.1	38.0	29.0	-	-	-				
	72	95.4	9.0	61.2	52.1	43.1	34.0	-	-	91.6	9.9	59.8	50.7	41.7	32.6	-	-				
	67	87.6	8.9	73.9	64.8	55.8	46.7	37.6	-	84.4	9.8	72.5	63.4	54.4	45.3	36.2	-				
	62	80.6	8.7	80.6	77.7	68.6	59.5	50.4	41.4	77.2	9.7	77.2	76.0	67.0	57.9	48.8	39.8				
	57	79.5	8.6	79.5	79.5	72.1	63.0	54.0	44.9	76.6	9.5	76.6	76.6	69.3	60.2	51.2	42.1				
2625	77	106.1	9.2	52.6	42.4	32.2	-	-	-	102.1	10.2	51.2	41.0	30.8	-	-	-				
	72	98.2	9.1	66.0	55.9	45.7	35.5	-	-	94.6	10.1	64.7	54.5	44.3	34.2	-	-				
	67	90.3	9.0	79.5	69.3	59.1	49.0	38.8	-	87.1	9.9	78.2	68.0	57.8	47.7	37.5	-				
	62	83.0	8.8	83.0	81.5	72.8	62.6	52.4	42.3	79.7	9.8	79.7	79.3	71.2	61.2	50.9	40.7				
	57	81.8	8.7	81.8	81.8	76.5	66.3	56.2	46.0	79.0	9.6	79.0	79.0	73.7	63.8	53.4	43.2				
3000	77	109.2	9.3	56.6	45.3	34.1	-	-	-	105.3	10.3	55.2	44.0	32.7	-	-	-				
	72	101.0	9.2	70.8	59.6	48.3	37.0	-	-	97.5	10.2	69.5	58.3	47.0	35.7	-	-				
	67	92.9	9.1	85.1	73.8	62.5	51.3	40.0	-	89.8	10.1	83.9	72.6	61.3	50.0	38.7	-				
	62	85.4	8.9	85.4	85.4	76.9	65.7	54.4	43.1	82.2	10.0	82.2	82.2	75.5	64.5	53.0	41.7				
	57	84.2	8.8	84.2	84.2	80.9	69.6	58.4	47.1	81.5	9.8	81.5	81.5	78.2	67.4	55.6	44.3				
3375	72	103.1	9.2	75.2	62.9	50.7	38.4	-	-	99.4	10.2	73.9	61.6	49.3	37.1	-	-				
	67	94.7	9.1	90.1	77.8	65.6	53.3	41.1	-	91.5	10.1	88.9	76.6	64.4	52.1	39.8	-				
	62	87.1	9.0	87.1	87.1	80.7	68.4	56.2	43.9	83.7	10.0	83.7	83.7	79.3	67.2	54.7	42.5				
	57	85.9	8.8	85.9	85.9	84.2	72.0	59.7	47.5	83.0	9.8	83.0	83.0	81.4	69.4	56.8	44.6				
3750	72	105.1	9.2	79.5	66.2	53.0	39.8	-	-	101.3	10.2	78.2	64.9	51.7	38.4	-	-				
	67	96.6	9.1	95.1	81.9	68.6	55.4	42.1	-	93.2	10.1	93.2	80.7	67.4	54.2	40.9	-				
	62	88.8	9.0	88.8	88.8	84.4	71.2	57.9	44.7	85.3	10.0	85.3	85.3	83.1	69.8	56.5	43.3				
	57	87.6	8.8	87.6	87.6	87.6	74.3	61.1	47.8	84.6	9.8	84.6	84.6	84.6	71.3	58.1	44.8				

¹ These capacities are gross ratings. For net capacity, deduct supply air blower motor, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

² These ratings include the condenser fan motors and the compressor motors but not the supply air blower motor.

YH-10 / NH-10

Air on Evaporator Coil		Temperature of Air on Condenser Coil																	
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)							
				Return Dry Bulb (°F)								Return Dry Bulb (°F)							
				90	85	80	75	70	65			90	85	80	75	70	65		
		75°F									85°F								
3000	77	142.3	7.5	64.7	52.6	40.5	-	-	-	139.4	8.5	67.1	54.6	42.1	-	-	-		
	72	133.9	7.4	84.4	72.2	60.1	48.0	-	-	129.5	8.4	85.3	72.8	60.3	47.8	-	-		
	67	125.5	7.3	104.0	91.9	79.8	67.7	55.6	-	119.6	8.3	103.4	90.9	78.5	66.0	53.5	-		
	62	115.0	7.3	115.0	109.5	94.2	82.0	69.9	57.8	111.3	8.2	111.3	108.6	96.1	83.6	71.1	58.6		
	57	111.2	7.2	111.2	111.2	99.9	87.8	75.7	63.6	108.8	8.3	108.8	108.8	99.2	86.7	74.2	61.7		
3500	77	151.4	7.5	72.3	58.7	45.2	-	-	-	147.0	8.5	74.2	60.2	46.1	-	-	-		
	72	142.4	7.4	94.1	80.6	67.0	53.5	-	-	136.6	8.4	94.1	80.0	66.0	51.9	-	-		
	67	133.4	7.3	116.0	102.5	88.9	75.4	61.8	-	126.1	8.3	114.0	99.9	85.9	71.8	57.8	-		
	62	122.3	7.3	122.3	119.6	105.0	92.1	77.9	64.4	117.4	8.3	117.4	116.1	105.2	91.1	77.1	63.1		
	57	118.3	7.2	118.3	118.3	111.3	98.6	84.2	70.7	114.8	8.3	114.8	114.8	108.6	94.6	80.5	66.5		
4000	77	160.5	7.5	79.8	64.9	49.9	-	-	-	154.6	8.6	81.3	65.7	50.1	-	-	-		
	72	150.9	7.4	103.9	88.9	73.9	59.0	-	-	143.7	8.5	102.9	87.3	71.7	56.1	-	-		
	67	141.4	7.3	128.0	113.0	98.0	83.0	68.1	-	132.7	8.4	124.5	108.9	93.3	77.7	62.1	-		
	62	129.6	7.3	129.6	129.6	115.9	102.2	86.0	71.0	123.5	8.3	123.5	123.5	114.3	98.7	83.1	67.5		
	57	125.4	7.2	125.4	125.4	122.8	109.5	92.8	77.8	120.7	8.3	120.7	120.7	118.0	102.4	86.8	71.2		
4500	72	154.4	7.5	110.8	94.3	77.8	61.4	-	-	148.2	8.5	110.7	93.7	76.6	59.6	-	-		
	67	144.7	7.4	138.0	119.7	103.2	86.8	70.3	-	136.9	8.4	132.8	116.7	99.7	82.6	65.6	-		
	62	132.6	7.3	132.6	132.6	124.4	108.6	91.5	75.0	127.4	8.3	127.4	127.4	122.1	105.1	88.0	70.9		
	57	128.3	7.3	128.3	128.3	127.0	111.4	94.0	77.6	124.6	8.3	124.6	124.6	123.2	106.1	89.1	72.0		
5000	72	157.9	7.5	117.6	99.7	81.7	63.8	-	-	152.7	8.5	118.6	100.0	81.5	63.0	-	-		
	67	148.0	7.4	148.0	126.4	108.5	90.5	72.6	-	141.1	8.4	141.1	124.6	106.1	87.6	69.1	-		
	62	135.6	7.3	135.6	135.6	132.9	114.9	97.0	79.1	131.3	8.3	131.3	131.3	129.9	111.4	92.9	74.4		
	57	131.2	7.3	131.2	131.2	131.2	113.2	95.3	77.4	128.4	8.4	128.4	128.4	128.4	109.9	91.4	72.8		
		95°F									105°F								
3000	77	136.4	9.5	69.6	56.7	43.8	-	-	-	127.0	10.7	66.5	53.5	40.6	-	-	-		
	72	125.1	9.4	86.2	73.3	60.5	47.6	-	-	117.1	10.7	83.6	70.6	57.7	44.8	-	-		
	67	113.7	9.3	102.9	90.0	77.1	64.2	51.3	-	107.2	10.6	100.7	87.8	74.8	61.9	48.9	-		
	62	107.7	9.2	107.7	107.7	98.1	85.2	72.3	59.4	100.8	10.5	100.8	100.8	93.7	80.8	67.9	54.9		
	57	106.5	9.3	106.5	106.5	98.6	85.7	72.8	59.9	100.2	10.6	100.2	100.2	91.6	78.7	65.8	52.8		
3500	77	142.6	9.5	76.1	61.6	47.1	-	-	-	133.4	10.8	75.3	58.7	44.1	-	-	-		
	72	130.7	9.4	94.0	79.5	64.9	50.4	-	-	123.1	10.7	92.0	77.3	62.7	48.1	-	-		
	67	118.9	9.4	111.9	97.4	82.8	68.3	53.7	-	112.7	10.6	108.7	96.0	81.3	66.7	52.0	-		
	62	112.6	9.2	112.6	112.6	105.3	90.2	76.3	61.7	106.0	10.5	106.0	106.0	101.9	86.9	72.6	57.9		
	57	111.3	9.4	111.3	111.3	105.9	90.5	76.8	62.3	105.3	10.6	105.3	105.3	99.5	84.5	70.3	55.6		
4000	77	148.8	9.6	82.7	66.5	50.3	-	-	-	139.9	10.8	84.1	63.9	47.6	-	-	-		
	72	136.4	9.5	101.8	85.6	69.4	53.2	-	-	129.0	10.7	100.4	84.0	67.7	51.3	-	-		
	67	124.0	9.4	120.9	104.7	88.5	72.3	56.1	-	118.2	10.6	116.6	104.1	87.8	71.5	55.1	-		
	62	117.4	9.2	117.4	117.4	112.6	95.1	80.2	64.0	111.1	10.5	111.1	111.1	110.0	93.0	77.3	60.9		
	57	116.1	9.4	116.1	116.1	113.2	95.3	80.8	64.6	110.5	10.6	110.5	110.5	107.4	90.2	74.7	58.4		
4500	72	142.0	9.5	110.7	93.0	75.4	57.7	-	-	133.3	10.7	109.1	91.2	73.2	55.2	-	-		
	67	129.1	9.4	127.5	113.8	96.1	78.5	60.8	-	122.1	10.6	121.3	112.3	95.0	77.0	59.0	-		
	62	122.2	9.3	122.2	122.2	119.8	101.5	84.5	66.9	114.8	10.5	114.8	114.8	114.3	96.0	78.3	60.4		
	57	120.8	9.4	120.8	120.8	119.4	100.9	84.1	66.4	114.1	10.6	114.1	114.1	112.6	94.2	76.7	58.7		
5000	72	147.5	9.5	119.5	100.4	81.3	62.2	-	-	137.7	10.7	117.9	98.3	78.7	59.1	-	-		
	67	134.1	9.4	134.1	122.8	103.7	84.6	65.5	-	126.1	10.7	126.1	120.4	102.1	82.5	62.9	-		
	62	127.0	9.3	127.0	127.0	127.0	107.9	88.8	69.7	118.5	10.5	118.5	118.5	118.5	99.0	79.4	59.8		
	57	125.6	9.4	125.6	125.6	125.6	106.5	87.4	68.3	117.8	10.6	117.8	117.8	117.8	98.2	78.7	59.1		

YH-10 / NH-10 (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil																	
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)							
				Return Dry Bulb (°F)								Return Dry Bulb (°F)							
				90	85	80	75	70	65			90	85	80	75	70	65		
		115°F									125°F								
3000	77	117.5	12.0	63.4	50.4	37.4	-	-	-	108.0	13.2	60.3	47.2	34.1	-	-	-		
	72	109.1	11.9	81.0	68.0	55.0	41.9	-	-	101.2	13.2	78.4	65.3	52.2	39.1	-	-		
	67	100.8	11.9	98.6	85.6	72.6	59.5	46.5	-	94.3	13.1	94.3	83.4	70.3	57.2	44.1	-		
	62	94.0	11.8	94.0	94.0	89.4	76.4	63.4	50.4	87.2	13.0	87.2	87.2	85.1	72.0	59.0	45.9		
	57	94.0	11.8	94.0	94.0	84.7	71.7	58.7	45.7	87.8	13.1	87.8	87.8	77.8	64.7	51.7	38.6		
3500	77	124.2	12.0	74.4	55.8	41.1	-	-	-	115.1	13.2	73.6	53.0	38.1	-	-	-		
	72	115.4	11.9	89.9	75.2	60.4	45.7	-	-	107.7	13.2	87.9	73.1	58.2	43.4	-	-		
	67	106.6	11.9	105.5	94.6	79.8	65.1	50.3	-	100.4	13.1	100.4	93.2	78.3	63.5	48.6	-		
	62	99.4	11.8	99.4	99.4	98.4	83.6	68.9	54.1	92.8	13.0	92.8	92.8	92.8	80.4	65.2	50.3		
	57	99.4	11.8	99.4	99.4	93.2	78.5	63.7	49.0	93.5	13.1	93.5	93.5	86.9	72.4	57.2	42.3		
4000	77	131.0	12.0	85.5	61.3	44.8	-	-	-	122.1	13.2	86.9	58.7	42.1	-	-	-		
	72	121.7	11.9	98.9	82.4	65.9	49.5	-	-	114.3	13.2	97.5	80.8	64.2	47.6	-	-		
	67	112.3	11.9	112.3	103.5	87.1	70.6	54.1	-	106.5	13.1	106.5	103.0	86.3	69.7	53.1	-		
	62	104.8	11.8	104.8	104.8	107.3	90.8	74.4	57.9	98.5	13.1	98.5	98.5	98.5	88.7	71.4	54.8		
	57	104.8	11.8	104.8	104.8	101.7	85.2	68.7	52.2	99.2	13.1	99.2	99.2	95.9	80.1	62.7	46.0		
4500	72	124.7	11.9	107.6	89.3	71.0	52.8	-	-	116.1	13.2	106.1	87.5	68.9	50.3	-	-		
	67	115.2	11.9	115.2	110.8	93.8	75.5	57.2	-	108.2	13.1	108.2	108.2	92.6	74.0	55.4	-		
	62	107.4	11.8	107.4	107.4	108.7	90.4	72.1	53.8	100.0	13.1	100.0	100.0	100.0	84.9	65.9	47.3		
	57	107.4	11.8	107.4	107.4	105.9	87.6	69.3	51.0	100.7	13.1	100.7	100.7	99.1	80.9	61.9	43.3		
5000	72	127.8	12.0	116.3	96.2	76.1	56.1	-	-	117.9	13.2	114.7	94.1	73.6	53.0	-	-		
	67	118.0	11.9	118.0	118.0	100.5	80.4	60.4	-	109.9	13.1	109.9	109.9	98.9	78.4	57.8	-		
	62	110.1	11.8	110.1	110.1	110.1	90.0	69.9	49.8	101.6	13.0	101.6	101.6	101.6	81.0	60.4	39.9		
	57	110.1	11.9	110.1	110.1	110.1	90.0	69.9	49.8	102.3	13.1	102.3	102.3	102.3	81.7	61.2	40.6		

¹ These capacities are gross ratings. For net capacity, deduct supply air blower motor, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

² These ratings include the condenser fan motors and the compressor motors but not the supply air blower motor.

YJ-10 / NJ-10

Air on Evaporator Coil		Temperature of Air on Condenser Coil																	
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)							
				Return Dry Bulb (°F)								Return Dry Bulb (°F)							
				90	85	80	75	70	65			90	85	80	75	70	65		
		75°F									85°F								
3000	77	138.1	7.5	63.6	51.7	39.9	-	-	-	132.8	8.6	62.9	50.8	38.7	-	-	-		
	72	130.1	7.4	82.9	71.0	59.2	47.4	-	-	124.4	8.4	81.7	69.6	57.5	45.4	-	-		
	67	122.0	7.2	102.2	90.4	78.5	66.7	54.8	-	115.9	8.3	100.6	88.5	76.4	64.3	52.2	-		
	62	112.3	7.2	112.3	108.5	94.8	83.0	71.1	59.3	106.3	8.2	106.3	104.4	92.3	80.2	68.1	56.0		
	57	108.2	7.1	108.2	108.6	99.9	88.0	76.2	64.3	105.7	8.2	105.7	105.7	95.1	83.0	70.9	58.8		
3500	77	147.1	7.5	70.5	57.3	44.0	-	-	-	141.3	8.6	70.1	56.5	42.8	-	-	-		
	72	138.4	7.4	91.8	78.6	65.3	52.0	-	-	132.4	8.4	91.0	77.3	63.6	50.0	-	-		
	67	129.8	7.3	113.1	99.9	86.6	73.3	60.0	-	123.4	8.3	111.9	98.2	84.5	70.8	57.1	-		
	62	119.5	7.2	119.5	117.6	104.6	91.9	78.0	64.7	113.2	8.2	113.2	112.2	102.1	88.5	74.8	61.1		
	57	115.1	7.2	115.1	115.4	110.1	97.8	83.6	70.3	112.5	8.2	112.5	112.5	105.3	91.6	77.9	64.2		
4000	77	156.0	7.6	77.5	62.8	48.1	-	-	-	149.9	8.6	77.4	62.1	46.9	-	-	-		
	72	146.8	7.4	100.8	86.1	71.4	56.7	-	-	140.4	8.4	100.3	85.0	69.8	54.5	-	-		
	67	137.7	7.3	124.1	109.4	94.6	79.9	65.2	-	130.9	8.3	123.2	107.9	92.6	77.4	62.1	-		
	62	126.8	7.2	126.8	126.8	114.3	100.8	84.9	70.2	120.0	8.2	120.0	120.0	112.0	96.7	81.4	66.2		
	57	122.1	7.2	122.1	122.1	120.4	107.5	91.0	76.3	119.3	8.2	119.3	119.3	115.4	100.1	84.9	69.6		
4500	72	152.4	7.5	108.1	92.0	76.0	60.0	-	-	145.8	8.5	107.7	91.1	74.5	57.9	-	-		
	67	142.9	7.3	136.1	116.8	100.8	84.8	68.8	-	135.9	8.3	132.1	115.5	98.9	82.3	65.7	-		
	62	131.5	7.2	131.5	131.5	123.1	107.7	91.1	75.1	124.6	8.2	124.6	124.6	119.5	102.9	86.3	69.7		
	57	126.7	7.2	126.7	126.7	125.9	110.8	93.9	77.8	123.9	8.2	123.9	123.9	121.9	105.3	88.7	72.1		
	5000	72	157.9	7.5	115.3	98.0	80.7	63.4	-	-	151.2	8.5	115.2	97.2	79.2	61.2	-	-	
67		148.1	7.4	148.1	124.3	107.0	89.7	72.4	-	141.0	8.3	141.0	123.1	105.1	87.2	69.2	-		
62		136.3	7.3	136.3	136.3	132.0	114.6	97.3	80.0	129.3	8.3	129.3	129.3	127.1	109.1	91.1	73.1		
57		131.3	7.3	131.3	131.3	131.3	114.0	96.7	79.4	128.5	8.2	128.5	128.5	128.5	110.5	92.5	74.6		
		95°F									105°F								
3000	77	127.4	9.6	62.2	49.8	37.4	-	-	-	122.1	10.8	60.4	48.0	35.6	-	-	-		
	72	118.7	9.5	80.6	68.2	55.9	43.5	-	-	112.7	10.7	78.3	65.8	53.4	41.0	-	-		
	67	109.9	9.3	99.0	86.6	74.3	61.9	49.5	-	103.2	10.6	96.1	83.7	71.2	58.8	46.4	-		
	62	100.4	9.2	100.4	100.4	89.8	77.5	65.1	52.7	95.0	10.5	95.0	95.0	86.6	74.1	61.7	49.3		
	57	103.2	9.2	103.2	102.8	90.4	78.0	65.7	53.3	98.1	10.5	98.1	97.9	85.4	73.0	60.5	48.1		
3500	77	135.6	9.6	69.7	55.6	41.6	-	-	-	129.2	10.8	70.6	53.8	39.6	-	-	-		
	72	126.3	9.5	90.2	76.1	62.0	47.9	-	-	119.2	10.7	87.9	73.7	59.5	45.3	-	-		
	67	116.9	9.3	110.6	96.6	82.5	68.4	54.3	-	109.2	10.6	105.2	93.6	79.4	65.2	51.0	-		
	62	106.8	9.2	106.8	106.8	99.7	85.0	71.5	57.4	100.5	10.5	100.5	100.5	96.5	82.0	68.1	53.9		
	57	109.9	9.2	109.9	109.6	100.4	85.4	72.2	58.1	103.8	10.5	103.8	103.6	95.2	80.5	66.8	52.6		
4000	77	143.8	9.6	77.3	61.5	45.7	-	-	-	136.2	10.8	80.8	59.7	43.7	-	-	-		
	72	133.9	9.5	99.8	84.0	68.2	52.3	-	-	125.7	10.7	97.5	81.6	65.6	49.6	-	-		
	67	124.0	9.3	122.3	106.5	90.6	74.8	59.0	-	115.1	10.6	114.3	103.5	87.5	71.6	55.6	-		
	62	113.3	9.2	113.3	113.3	109.6	92.6	78.0	62.2	106.0	10.5	106.0	106.0	106.4	89.8	74.4	58.5		
	57	116.5	9.2	116.5	116.5	110.3	92.7	78.7	62.9	109.4	10.5	109.4	109.4	104.9	88.1	73.0	57.1		
4500	72	139.2	9.5	107.4	90.2	72.9	55.7	-	-	131.0	10.7	105.2	87.7	70.3	52.8	-	-		
	67	128.9	9.3	128.0	114.2	97.0	79.7	62.5	-	120.1	10.6	119.6	111.2	93.7	76.3	58.8	-		
	62	117.7	9.2	117.7	117.7	115.9	98.1	81.4	64.2	110.5	10.5	110.5	110.5	110.7	92.9	75.8	58.3		
	57	121.1	9.2	121.1	121.1	118.0	99.9	83.5	66.3	114.1	10.5	114.1	114.1	111.8	93.9	76.9	59.4		
	5000	72	144.5	9.5	115.0	96.3	77.7	59.0	-	-	136.4	10.7	112.9	93.9	74.9	56.0	-	-	
67		133.8	9.3	133.8	121.9	103.3	84.6	66.0	-	125.0	10.6	125.0	118.9	99.9	81.0	62.0	-		
62		122.2	9.2	122.2	122.2	122.2	103.5	84.9	66.2	115.0	10.5	115.0	115.0	115.0	96.1	77.1	58.1		
57		125.7	9.2	125.7	125.7	125.7	107.0	88.4	69.7	118.7	10.5	118.7	118.7	118.7	99.8	80.8	61.8		

YJ-10 / NJ-10 (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
3000	77	116.8	12.1	58.7	46.2	33.7	-	-	-	111.5	13.3	57.0	44.4	31.8	-	-	-
	72	106.7	11.9	75.9	63.4	50.9	38.4	-	-	100.7	13.2	73.6	61.1	48.5	35.9	-	-
	67	96.6	11.8	93.2	80.7	68.2	55.7	43.2	-	89.9	13.1	89.9	77.7	65.1	52.6	40.0	-
	62	89.7	11.7	89.7	89.7	83.3	70.8	58.3	45.8	84.4	12.9	84.4	84.4	80.0	67.5	54.9	42.3
	57	93.0	11.7	93.0	92.9	80.4	67.9	55.4	42.9	87.9	12.9	87.9	87.9	75.5	62.9	50.3	37.8
3500	77	122.7	12.1	71.5	52.0	37.7	-	-	-	116.2	13.3	72.4	50.2	35.8	-	-	-
	72	112.1	11.9	85.6	71.3	57.0	42.7	-	-	105.0	13.2	83.3	68.9	54.5	40.1	-	-
	67	101.4	11.8	99.7	90.6	76.3	62.0	47.7	-	93.7	13.1	93.7	87.6	73.2	58.8	44.4	-
	62	94.2	11.7	94.2	94.2	93.2	78.9	64.6	50.3	88.0	12.9	88.0	88.0	88.0	75.8	61.1	46.7
	57	97.7	11.7	97.7	97.6	90.0	75.7	61.4	47.1	91.5	13.0	91.5	91.5	84.8	70.9	56.0	41.6
4000	77	128.6	12.1	84.3	57.8	41.7	-	-	-	120.9	13.3	87.7	56.0	39.7	-	-	-
	72	117.4	11.9	95.3	79.2	63.1	46.9	-	-	109.2	13.2	93.0	76.8	60.5	44.2	-	-
	67	106.3	11.8	106.3	100.5	84.4	68.3	52.2	-	97.4	13.1	97.4	97.4	81.3	65.0	48.8	-
	62	98.8	11.7	98.8	98.8	103.1	87.0	70.9	54.8	91.5	12.9	91.5	91.5	91.5	84.2	67.3	51.1
	57	102.3	11.7	102.3	102.3	99.6	83.5	67.3	51.2	95.2	13.0	95.2	95.2	94.2	78.8	61.7	45.4
4500	72	122.9	12.0	103.0	85.3	67.6	49.9	-	-	114.7	13.2	100.8	82.9	65.0	47.0	-	-
	67	111.2	11.8	111.2	108.2	90.5	72.8	55.1	-	102.4	13.1	102.4	102.4	87.3	69.3	51.4	-
	62	103.3	11.7	103.3	103.3	105.5	87.8	70.1	52.4	96.1	12.9	96.1	96.1	96.1	82.6	64.4	46.5
	57	107.1	11.7	107.1	107.1	105.7	88.0	70.3	52.6	100.0	13.0	100.0	100.0	99.5	82.0	63.6	45.7
5000	72	128.3	12.0	110.8	91.5	72.2	52.9	-	-	120.2	13.3	108.7	89.0	69.4	49.8	-	-
	67	116.1	11.9	116.1	115.9	96.6	77.3	58.0	-	107.3	13.2	107.3	107.3	93.3	73.7	54.1	-
	62	107.9	11.7	107.9	107.9	107.9	88.6	69.3	50.0	100.7	13.0	100.7	100.7	100.7	81.1	61.5	41.9
	57	111.8	11.8	111.8	111.8	111.8	92.5	73.2	53.9	104.8	13.0	104.8	104.8	104.8	85.2	65.6	46.0

¹ These capacities are gross ratings. For net capacity, deduct supply air blower motor, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

² These ratings include the condenser fan motors and the compressor motors but not the supply air blower motor.

YH-12 / NH-15

Air on Evaporator Coil		Temperature of Air on Condenser Coil																			
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)									
				Return Dry Bulb (°F)								Return Dry Bulb (°F)									
				90	85	80	75	70	65			90	85	80	75	70	65				
		75°F										85°F									
3750	77	178.5	10.2	87.6	71.1	54.7	-	-	-	172.2	11.3	84.0	67.6	51.2	-	-	-				
	72	168.2	9.9	111.9	95.4	78.9	62.4	-	-	161.2	11.0	108.3	91.9	75.5	59.2	-	-				
	67	157.9	9.6	136.1	119.6	103.1	86.7	70.2	-	150.1	10.7	132.5	116.2	99.8	83.4	67.1	-				
	62	144.8	9.4	144.8	144.8	129.3	112.8	96.3	79.8	138.9	10.6	138.9	138.9	126.4	110.1	93.7	77.3				
	57	149.7	9.5	149.7	149.7	137.7	121.2	104.7	88.3	143.9	10.7	143.9	143.9	130.6	114.3	97.9	81.5				
4375	77	184.7	10.2	94.2	77.2	58.5	-	-	-	177.6	11.3	92.4	73.7	55.0	-	-	-				
	72	174.0	9.9	121.8	103.1	84.4	65.7	-	-	166.2	11.0	118.4	99.8	81.1	62.4	-	-				
	67	163.4	9.6	149.5	129.0	110.3	91.6	72.9	-	154.7	10.8	144.5	125.8	107.1	88.4	69.8	-				
	62	149.9	9.4	149.9	149.9	138.2	119.8	100.8	82.1	143.2	10.6	143.2	143.2	135.7	117.0	98.4	79.7				
	57	154.9	9.5	154.9	154.9	147.3	129.1	109.8	91.1	148.4	10.7	148.4	148.4	140.2	121.6	102.9	84.2				
5000	77	190.9	10.3	100.7	83.2	62.3	-	-	-	182.9	11.3	100.8	79.8	58.8	-	-	-				
	72	179.9	9.9	131.8	110.8	89.9	68.9	-	-	171.2	11.0	128.6	107.6	86.6	65.6	-	-				
	67	168.8	9.6	162.9	138.4	117.5	96.5	75.5	-	159.4	10.8	156.5	135.5	114.5	93.5	72.5	-				
	62	154.9	9.4	154.9	154.9	147.2	126.8	105.3	84.3	147.5	10.6	147.5	147.5	145.0	124.0	103.0	82.0				
	57	160.1	9.6	160.1	160.1	156.9	137.0	114.9	94.0	152.9	10.7	152.9	152.9	149.8	128.8	107.8	86.8				
5625	72	182.3	10.1	142.7	119.7	96.7	73.7	-	-	174.1	11.2	139.0	116.1	93.1	70.2	-	-				
	67	171.1	9.8	168.1	149.4	126.4	103.4	80.4	-	162.1	10.9	160.6	146.0	123.1	100.1	77.2	-				
	62	157.0	9.6	157.0	157.0	153.1	130.4	107.1	84.1	150.0	10.7	150.0	150.0	148.8	125.8	102.9	79.9				
	57	162.2	9.7	162.2	162.2	160.6	138.1	114.6	91.6	155.5	10.8	155.5	155.5	153.9	131.0	108.1	85.1				
	6250	72	184.7	10.2	153.7	128.6	103.6	78.5	-	-	177.0	11.3	149.4	124.5	99.7	74.8	-	-			
67		173.4	9.9	173.4	160.4	135.4	110.4	85.3	-	164.8	11.0	164.8	156.6	131.7	106.8	81.9	-				
62		159.0	9.7	159.0	159.0	159.0	134.0	108.9	83.9	152.5	10.8	152.5	152.5	152.5	127.6	102.7	77.8				
57		164.4	9.8	164.4	164.4	164.4	139.3	114.3	89.2	158.1	10.9	158.1	158.1	158.1	133.2	108.3	83.4				
		95°F										105°F									
3750	77	166.0	12.3	80.3	64.1	47.8	-	-	-	159.9	14.1	79.0	62.8	46.6	-	-	-				
	72	154.1	12.1	104.7	88.4	72.2	55.9	-	-	148.2	13.8	102.8	86.6	70.4	54.2	-	-				
	67	142.3	11.9	129.0	112.7	96.5	80.2	64.0	-	136.4	13.5	126.7	110.5	94.2	78.0	61.8	-				
	62	132.9	11.7	132.9	132.9	123.6	107.4	91.1	74.9	130.6	13.4	130.6	130.6	122.0	105.8	89.6	73.4				
	57	138.2	11.8	138.2	138.2	123.6	107.3	91.1	74.8	134.7	13.5	134.7	134.7	119.4	103.2	87.0	70.8				
4375	77	170.5	12.3	90.6	70.2	51.6	-	-	-	163.0	14.0	91.5	68.6	50.0	-	-	-				
	72	158.3	12.1	115.0	96.4	77.8	59.1	-	-	151.0	13.7	112.8	94.2	75.6	56.9	-	-				
	67	146.1	11.9	139.5	122.6	104.0	85.3	66.7	-	139.1	13.5	134.2	119.8	101.2	82.5	63.9	-				
	62	136.5	11.7	136.5	136.5	133.2	114.3	95.9	77.3	133.1	13.4	133.1	133.1	130.9	112.1	93.6	75.0				
	57	142.0	11.8	142.0	142.0	133.2	114.0	95.9	77.3	137.3	13.5	137.3	137.3	128.1	109.2	90.9	72.2				
5000	77	175.0	12.3	100.8	76.3	55.3	-	-	-	166.1	13.9	104.0	74.4	53.4	-	-	-				
	72	162.5	12.1	125.4	104.4	83.4	62.3	-	-	153.9	13.7	122.9	101.8	80.7	59.6	-	-				
	67	150.0	11.9	150.0	132.5	111.5	90.4	69.4	-	141.7	13.4	141.7	129.1	108.1	87.0	65.9	-				
	62	140.1	11.7	140.1	140.1	142.8	121.2	100.7	79.7	135.6	13.3	135.6	135.6	139.8	118.5	97.7	76.6				
	57	145.7	11.8	145.7	145.7	142.8	120.7	100.7	79.7	140.0	13.4	140.0	140.0	136.9	115.3	94.8	73.7				
5625	72	165.9	12.2	135.3	112.4	89.5	66.7	-	-	157.7	13.8	133.0	110.0	87.1	64.2	-	-				
	67	153.1	12.0	153.1	142.6	119.7	96.8	73.9	-	145.2	13.5	145.2	138.0	116.6	93.7	70.8	-				
	62	143.1	11.8	143.1	143.1	144.4	121.2	98.6	75.7	138.9	13.4	138.9	138.9	141.0	118.0	95.2	72.3				
	57	148.7	11.9	148.7	148.7	147.3	123.9	101.5	78.6	143.4	13.5	143.4	143.4	141.8	118.6	96.0	73.1				
	6250	72	169.3	12.3	145.2	120.5	95.7	71.0	-	-	161.4	14.0	143.0	118.3	93.5	68.7	-	-			
67		156.3	12.1	156.3	152.7	128.0	103.2	78.5	-	148.6	13.7	148.6	146.9	125.2	100.4	75.6	-				
62		146.0	11.9	146.0	146.0	146.0	121.3	96.5	71.8	142.2	13.6	142.2	142.2	142.2	117.5	92.7	67.9				
57		151.8	12.0	151.8	151.8	151.8	127.0	102.3	77.6	146.8	13.7	146.8	146.8	146.8	122.0	97.2	72.5				

YH-12 / NH-15 (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		115°F										125°F					
3750	77	153.8	15.8	77.6	61.4	45.3	-	-	-	147.7	17.5	76.3	60.1	44.0	-	-	-
	72	142.2	15.5	101.0	84.8	68.7	52.5	-	-	136.2	17.2	99.2	83.0	66.9	50.8	-	-
	67	130.5	15.1	124.4	108.2	92.0	75.9	59.7	-	124.7	16.8	122.1	105.9	89.8	73.7	57.6	-
	62	128.2	15.1	128.2	128.2	120.4	104.2	88.0	71.9	125.8	16.8	125.8	125.8	118.7	102.6	86.5	70.4
	57	131.2	15.2	131.2	131.2	115.2	99.0	82.8	66.7	127.8	17.0	127.8	127.8	111.0	94.9	78.7	62.6
4375	77	155.5	15.7	92.3	67.0	48.4	-	-	-	148.1	17.3	93.2	65.4	46.8	-	-	-
	72	143.8	15.3	110.6	92.0	73.4	54.7	-	-	136.5	17.0	108.4	89.8	71.2	52.5	-	-
	67	132.0	15.0	128.9	117.0	98.3	79.7	61.1	-	125.0	16.6	123.7	114.2	95.5	76.9	58.3	-
	62	129.7	15.0	129.7	129.7	128.6	110.0	91.3	72.7	126.2	16.7	126.2	126.2	126.2	107.8	89.1	70.4
	57	132.7	15.1	132.7	132.7	123.1	104.4	85.8	67.2	128.1	16.8	128.1	128.1	118.0	99.7	80.8	62.1
5000	77	157.3	15.5	107.1	72.6	51.5	-	-	-	148.4	17.1	110.2	70.7	49.6	-	-	-
	72	145.4	15.2	120.3	99.2	78.1	57.0	-	-	136.8	16.8	117.7	96.6	75.4	54.3	-	-
	67	133.5	14.9	133.5	125.8	104.7	83.6	62.5	-	125.2	16.4	125.2	122.4	101.3	80.1	59.0	-
	62	131.1	14.9	131.1	131.1	136.9	115.8	94.7	73.6	126.6	16.5	126.6	126.6	126.6	113.1	91.6	70.5
	57	134.2	15.0	134.2	134.2	131.0	109.9	88.8	67.7	128.5	16.6	128.5	128.5	125.1	104.5	82.8	61.7
5625	72	149.5	15.4	130.6	107.6	84.7	61.7	-	-	141.3	17.0	128.2	105.2	82.3	59.3	-	-
	67	137.3	15.1	137.3	133.4	113.5	90.6	67.6	-	129.3	16.6	129.3	128.8	110.4	87.5	64.5	-
	62	134.8	15.1	134.8	134.8	137.7	114.7	91.8	68.8	130.7	16.7	130.7	130.7	130.7	111.5	88.4	65.4
	57	138.0	15.2	138.0	138.0	136.4	113.4	90.5	67.5	132.6	16.8	132.6	132.6	130.9	108.2	84.9	62.0
6250	72	153.6	15.6	140.9	116.1	91.3	66.5	-	-	145.7	17.2	138.7	113.9	89.1	64.3	-	-
	67	141.0	15.3	141.0	141.0	122.4	97.6	72.8	-	133.4	16.8	133.4	133.4	119.6	94.8	69.9	-
	62	138.5	15.3	138.5	138.5	138.5	113.7	88.9	64.1	134.7	16.9	134.7	134.7	134.7	109.9	85.1	60.2
	57	141.8	15.4	141.8	141.8	141.8	117.0	92.2	67.4	136.7	17.1	136.7	136.7	136.7	111.9	87.1	62.3

¹ These capacities are gross ratings. For net capacity, deduct supply air blower motor, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

² These ratings include the condenser fan motors and the compressor motors but not the supply air blower motor.

YJ-12 / NJ-15

Air on Evaporator Coil		Temperature of Air on Condenser Coil																	
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)							
				Return Dry Bulb (°F)								Return Dry Bulb (°F)							
				90	85	80	75	70	65			90	85	80	75	70	65		
		75°F									85°F								
3750	77	170.2	10.0	80.1	64.2	48.3	-	-	-	173.7	11.0	81.5	65.4	49.3	-	-	-		
	72	164.1	9.7	106.1	90.2	74.3	58.4	-	-	161.9	10.8	105.7	89.6	73.5	57.5	-	-		
	67	157.9	9.5	132.0	116.1	100.2	84.3	68.5	-	150.1	10.6	129.8	113.8	97.7	81.7	65.6	-		
	62	142.4	9.3	142.4	140.8	122.7	106.8	90.9	75.1	139.3	10.4	139.3	138.5	122.4	106.4	90.3	74.2		
	57	141.3	9.3	141.3	141.3	129.9	114.0	98.1	82.2	140.0	10.4	140.0	140.0	127.0	111.0	94.9	78.8		
4375	77	182.4	10.0	89.5	72.3	53.8	-	-	-	182.2	11.1	91.1	72.7	54.3	-	-	-		
	72	175.5	9.7	119.7	101.2	82.7	64.2	-	-	169.8	10.9	117.7	99.3	80.8	62.4	-	-		
	67	168.7	9.5	149.8	130.0	111.5	93.0	74.5	-	157.4	10.7	144.3	125.9	107.4	89.0	70.5	-		
	62	152.3	9.4	152.3	151.5	136.6	118.9	99.7	81.2	146.1	10.5	146.1	145.7	134.6	116.1	97.7	79.2		
	57	151.2	9.3	151.2	151.2	144.6	126.8	107.6	89.1	146.8	10.5	146.8	146.8	139.7	121.2	102.8	84.3		
5000	77	194.5	10.0	98.9	80.4	59.3	-	-	-	190.7	11.1	100.8	80.0	59.2	-	-	-		
	72	187.0	9.8	133.3	112.2	91.1	70.0	-	-	177.7	10.9	129.8	109.0	88.2	67.3	-	-		
	67	179.5	9.5	167.6	143.9	122.8	101.7	80.6	-	164.8	10.7	158.8	138.0	117.1	96.3	75.5	-		
	62	162.2	9.4	162.2	162.2	150.6	131.0	108.4	87.3	152.9	10.5	152.9	152.9	146.8	125.9	105.1	84.3		
	57	161.1	9.4	161.1	161.1	159.2	139.6	117.0	95.9	153.7	10.5	153.7	153.7	152.3	131.4	110.6	89.8		
5625	72	187.6	9.8	141.9	119.6	97.2	74.8	-	-	180.7	11.0	140.5	117.9	95.3	72.8	-	-		
	67	180.3	9.6	174.3	153.5	131.1	108.7	86.4	-	167.5	10.8	164.6	149.3	126.7	104.1	81.5	-		
	62	162.8	9.5	162.8	162.8	156.9	135.3	112.2	89.8	155.4	10.6	155.4	155.4	152.4	129.8	107.2	84.7		
	57	161.6	9.4	161.6	161.6	160.7	139.0	115.9	93.5	156.3	10.6	156.3	156.3	155.6	133.0	110.4	87.8		
	6250	72	188.2	9.9	150.6	126.9	103.3	79.6	-	-	183.7	11.0	151.2	126.8	102.5	78.2	-	-	
67		181.0	9.7	181.0	163.0	139.4	115.7	92.1	-	170.3	10.8	170.3	160.6	136.2	111.9	87.6	-		
62		163.3	9.5	163.3	163.3	163.3	139.7	116.0	92.3	158.0	10.6	158.0	158.0	158.0	133.7	109.4	85.1		
57		162.1	9.5	162.1	162.1	162.1	138.5	114.8	91.1	158.8	10.6	158.8	158.8	158.8	134.5	110.2	85.9		
		95°F									105°F								
3750	77	177.3	12.0	82.9	66.6	50.4	-	-	-	162.9	13.7	78.3	62.1	45.9	-	-	-		
	72	159.8	11.9	105.3	89.0	72.8	56.6	-	-	149.2	13.5	101.4	85.2	69.0	52.8	-	-		
	67	142.3	11.8	127.7	111.4	95.2	79.0	62.7	-	135.4	13.3	124.6	108.4	92.2	76.0	59.7	-		
	62	136.2	11.5	136.2	136.2	122.1	105.9	89.7	73.4	128.0	13.0	128.0	128.0	118.2	102.0	85.7	69.5		
	57	138.7	11.5	138.7	138.7	124.1	107.9	91.7	75.5	131.1	13.1	131.1	131.1	116.6	100.4	84.2	68.0		
4375	77	182.1	12.1	92.8	73.1	54.7	-	-	-	168.7	13.7	90.6	68.8	50.3	-	-	-		
	72	164.1	12.0	115.8	97.4	79.0	60.6	-	-	154.5	13.5	112.8	94.2	75.6	57.1	-	-		
	67	146.2	11.9	138.8	121.7	103.3	84.9	66.5	-	140.3	13.4	134.9	119.6	101.0	82.4	63.9	-		
	62	139.8	11.6	139.8	139.8	132.5	113.4	95.7	77.3	132.6	13.1	132.6	132.6	129.5	110.6	92.4	73.8		
	57	142.5	11.6	142.5	142.5	134.7	115.6	97.9	79.5	135.8	13.2	135.8	135.8	127.7	108.8	90.6	72.1		
5000	77	186.8	12.2	102.7	79.6	59.0	-	-	-	174.5	13.8	103.0	75.6	54.7	-	-	-		
	72	168.4	12.1	126.4	105.8	85.2	64.7	-	-	159.9	13.6	124.1	103.2	82.3	61.3	-	-		
	67	150.0	12.0	150.0	132.0	111.5	90.9	70.3	-	145.2	13.4	145.2	130.8	109.9	88.9	68.0	-		
	62	143.5	11.7	143.5	143.5	142.9	120.8	101.8	81.2	137.2	13.1	137.2	137.2	140.9	119.2	99.0	78.1		
	57	146.2	11.7	146.2	146.2	145.3	123.3	104.2	83.6	140.5	13.2	140.5	140.5	138.9	117.2	97.1	76.2		
5625	72	173.8	12.1	139.0	116.3	93.5	70.7	-	-	164.1	13.6	136.3	113.3	90.3	67.2	-	-		
	67	154.8	12.0	154.8	145.1	122.3	99.5	76.7	-	149.0	13.5	149.0	141.4	120.5	97.5	74.5	-		
	62	148.1	11.7	148.1	148.1	147.8	124.3	102.3	79.5	140.7	13.2	140.7	140.7	142.6	119.2	96.6	73.5		
	57	150.9	11.7	150.9	150.9	150.4	126.9	104.9	82.1	144.2	13.2	144.2	144.2	143.4	120.0	97.3	74.3		
	6250	72	179.2	12.1	151.7	126.8	101.8	76.8	-	-	168.3	13.7	148.5	123.4	98.3	73.1	-	-	
67		159.6	12.0	159.6	158.1	133.1	108.1	83.2	-	152.8	13.5	152.8	152.0	131.2	106.1	81.0	-		
62		152.7	11.7	152.7	152.7	152.7	127.7	102.8	77.8	144.3	13.2	144.3	144.3	144.3	119.2	94.1	69.0		
57		155.6	11.7	155.6	155.6	155.6	130.6	105.6	80.6	147.8	13.3	147.8	147.8	147.8	122.7	97.6	72.5		

YJ-12 / NJ-15 (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil																			
CFM		WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)					Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)									
					Return Dry Bulb (°F)							Return Dry Bulb (°F)									
					90	85	80	75	70			65	90	85	80	75	70	65			
		115°F										125°F									
3750	77	148.6	15.3	73.8	57.6	41.4	-	-	-	134.2	17.0	69.2	53.1	36.9	-	-	-				
	72	138.6	15.1	97.6	81.4	65.3	49.1	-	-	128.0	16.7	93.8	77.6	61.5	45.3	-	-				
	67	128.6	14.8	121.5	105.3	89.1	72.9	56.7	-	121.7	16.3	118.3	102.2	86.0	69.9	53.7	-				
	62	119.7	14.5	119.7	119.7	114.2	98.0	81.8	65.7	111.5	16.0	111.5	111.5	110.2	94.1	77.9	61.8				
	57	123.4	14.7	123.4	123.4	109.0	92.8	76.7	60.5	115.7	16.3	115.7	115.7	101.5	85.3	69.2	53.0				
4375	77	155.4	15.4	88.5	64.6	45.9	-	-	-	142.1	17.0	86.4	60.4	41.5	-	-	-				
	72	145.0	15.1	109.7	91.0	72.3	53.6	-	-	135.4	16.6	106.7	87.8	68.9	50.0	-	-				
	67	134.5	14.8	130.9	117.4	98.7	80.0	61.2	-	128.7	16.3	127.0	115.2	96.4	77.5	58.6	-				
	62	125.3	14.5	125.3	125.3	126.5	107.8	89.0	70.3	118.0	16.0	118.0	118.0	118.0	105.0	85.7	66.8				
	57	129.1	14.7	129.1	129.1	120.7	102.0	83.3	64.6	122.4	16.3	122.4	122.4	113.8	95.2	76.0	57.1				
5000	77	162.3	15.4	103.2	71.6	50.3	-	-	-	150.0	16.9	103.5	67.6	46.0	-	-	-				
	72	151.3	15.1	121.8	100.6	79.3	58.0	-	-	142.8	16.6	119.6	98.0	76.3	54.7	-	-				
	67	140.4	14.8	140.4	129.5	108.3	87.0	65.7	-	135.6	16.3	135.6	128.3	106.7	85.1	63.5	-				
	62	130.8	14.5	130.8	130.8	138.8	117.5	96.2	75.0	124.4	16.0	124.4	124.4	124.4	115.8	93.5	71.9				
	57	134.8	14.7	134.8	134.8	132.5	111.2	90.0	68.7	129.0	16.2	129.0	129.0	126.0	105.2	82.8	61.2				
5625	72	154.3	15.2	133.5	110.3	87.0	63.8	-	-	144.6	16.7	130.8	107.3	83.8	60.3	-	-				
	67	143.2	14.9	143.2	137.8	118.8	95.5	72.3	-	137.4	16.4	137.4	134.1	117.1	93.6	70.1	-				
	62	133.4	14.6	133.4	133.4	137.4	114.1	90.8	67.6	126.0	16.1	126.0	126.0	126.0	109.0	85.1	61.6				
	57	137.4	14.8	137.4	137.4	136.3	113.0	89.8	66.5	130.7	16.3	130.7	130.7	129.2	106.1	82.2	58.7				
6250	72	157.3	15.3	145.3	120.0	94.7	69.5	-	-	146.4	16.8	142.0	116.6	91.2	65.8	-	-				
	67	146.0	15.0	146.0	146.0	129.3	104.1	78.8	-	139.2	16.5	139.2	139.2	127.5	102.1	76.7	-				
	62	136.0	14.7	136.0	136.0	136.0	110.7	85.4	60.2	127.6	16.2	127.6	127.6	127.6	102.2	76.8	51.4				
	57	140.1	14.9	140.1	140.1	140.1	114.8	89.6	64.3	132.4	16.5	132.4	132.4	132.4	107.0	81.6	56.2				

¹ These capacities are gross ratings. For net capacity, deduct supply air blower motor, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

² These ratings include the condenser fan motors and the compressor motors but not the supply air blower motor.

YH-15 / NH-15

Air on Evaporator Coil		Temperature of Air on Condenser Coil																	
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)							
				Return Dry Bulb (°F)								Return Dry Bulb (°F)							
				90	85	80	75	70	65			90	85	80	75	70	65		
		75°F									85°F								
4500	77	223.5	11.8	104.0	85.0	66.0	-	-	-	214.6	13.1	101.2	82.2	63.3	-	-	-		
	72	207.2	11.5	132.3	113.3	94.4	75.4	-	-	198.3	12.8	129.0	110.1	91.2	72.2	-	-		
	67	191.0	11.1	160.6	141.7	122.7	103.7	84.7	-	181.9	12.4	156.8	137.9	119.0	100.1	81.1	-		
	62	176.0	10.8	176.0	171.9	151.4	132.5	113.5	94.5	168.5	12.2	168.5	166.4	147.5	128.6	109.7	90.8		
	57	175.0	10.8	175.0	175.0	158.1	139.1	120.1	101.1	168.1	12.1	168.1	168.1	150.6	131.7	112.8	93.8		
5250	77	229.4	11.9	113.7	92.3	70.8	-	-	-	220.1	13.2	110.7	89.4	68.1	-	-	-		
	72	212.8	11.6	144.1	122.7	101.2	79.7	-	-	203.3	12.8	140.7	119.4	98.1	76.8	-	-		
	67	196.1	11.2	174.5	153.0	131.6	110.1	88.7	-	186.5	12.5	170.6	149.3	128.0	106.7	85.4	-		
	62	180.7	11.0	180.7	178.6	162.4	141.9	119.5	98.1	172.7	12.2	172.7	171.7	158.7	137.4	116.1	94.8		
	57	179.7	10.9	179.7	179.7	169.6	149.6	126.6	105.2	172.4	12.2	172.4	172.4	162.0	140.7	119.4	98.1		
6000	77	235.4	12.0	123.5	99.5	75.6	-	-	-	225.5	13.3	120.3	96.6	72.9	-	-	-		
	72	218.3	11.7	155.9	132.0	108.0	84.1	-	-	208.3	12.9	152.3	128.6	105.0	81.3	-	-		
	67	201.2	11.3	188.3	164.4	140.5	116.5	92.6	-	191.1	12.6	184.4	160.7	137.0	113.4	89.7	-		
	62	185.4	11.1	185.4	185.4	173.4	151.3	125.5	101.6	177.0	12.3	177.0	177.0	169.9	146.2	122.6	98.9		
	57	184.4	11.0	184.4	184.4	181.0	160.1	133.2	109.2	176.6	12.3	176.6	176.6	173.5	149.8	126.1	102.4		
6750	72	221.3	11.3	165.2	139.4	113.7	88.0	-	-	213.7	13.6	165.8	140.1	114.5	88.8	-	-		
	67	204.0	11.0	197.5	174.0	147.8	122.0	96.3	-	196.0	13.3	192.7	175.1	149.4	123.8	98.1	-		
	62	187.9	10.7	187.9	187.9	181.9	157.1	130.4	104.7	181.5	13.0	181.5	181.5	178.0	152.4	126.7	101.1		
	57	186.8	10.6	186.8	186.8	185.2	161.0	133.7	108.0	181.2	13.0	181.2	181.2	179.6	153.9	128.3	102.6		
	7500	72	224.2	10.9	174.4	146.9	119.4	91.8	-	-	219.0	14.3	179.2	151.6	123.9	96.3	-	-	
67		206.7	10.6	206.7	183.6	155.1	127.6	100.0	-	201.0	14.0	201.0	189.4	161.8	134.1	106.5	-		
62		190.4	10.3	190.4	190.4	190.4	162.8	135.3	107.8	186.1	13.7	186.1	186.1	186.1	158.5	130.9	103.2		
57		189.3	10.3	189.3	189.3	189.3	161.8	134.3	106.7	185.7	13.7	185.7	185.7	185.7	158.1	130.5	102.9		
		95°F									105°F								
4500	77	205.8	14.4	98.3	79.5	60.6	-	-	-	195.5	15.9	95.5	76.6	57.7	-	-	-		
	72	189.3	14.0	125.7	106.8	87.9	69.1	-	-	179.9	15.7	122.5	103.6	84.7	65.9	-	-		
	67	172.8	13.7	153.0	134.1	115.3	96.4	77.5	-	164.3	15.4	149.5	130.7	111.8	92.9	74.0	-		
	62	161.0	13.5	161.0	161.0	143.6	124.7	105.9	87.0	153.2	15.2	153.2	153.2	139.8	120.9	102.0	83.1		
	57	161.3	13.5	161.3	161.3	143.1	124.3	105.4	86.6	154.3	15.2	154.3	154.3	136.3	117.4	98.5	79.6		
5250	77	210.7	14.4	107.7	86.6	65.4	-	-	-	199.9	16.0	107.5	83.6	62.4	-	-	-		
	72	193.8	14.1	137.2	116.1	94.9	73.8	-	-	183.9	15.8	134.0	112.8	91.6	70.4	-	-		
	67	176.9	13.8	166.7	145.6	124.4	103.3	82.2	-	168.0	15.5	160.4	142.0	120.8	99.6	78.3	-		
	62	164.8	13.5	164.8	164.8	155.0	132.9	112.7	91.6	156.6	15.2	156.6	156.6	151.0	129.4	108.6	87.4		
	57	165.1	13.6	165.1	165.1	154.5	131.9	112.2	91.1	157.7	15.2	157.7	157.7	147.2	125.3	104.8	83.6		
6000	77	215.5	14.5	117.1	93.7	70.2	-	-	-	204.2	16.1	119.5	90.5	67.0	-	-	-		
	72	198.3	14.2	148.7	125.3	101.9	78.5	-	-	187.9	15.8	145.4	121.9	98.4	74.9	-	-		
	67	181.0	13.8	180.4	157.0	133.6	110.2	86.8	-	171.6	15.6	171.3	153.3	129.7	106.2	82.7	-		
	62	168.6	13.6	168.6	168.6	166.4	141.1	119.6	96.2	160.0	15.3	160.0	160.0	162.3	137.8	115.3	91.7		
	57	168.9	13.6	168.9	168.9	165.9	139.4	119.1	95.6	161.2	15.3	161.2	161.2	158.2	133.2	111.2	87.6		
6750	72	206.1	15.9	166.4	140.8	115.2	89.7	-	-	192.5	16.7	159.1	133.4	107.7	82.0	-	-		
	67	188.1	15.6	187.8	176.1	151.0	125.5	99.9	-	175.8	16.4	175.7	166.6	142.0	116.3	90.7	-		
	62	175.2	15.3	175.2	175.2	174.1	147.6	123.0	97.4	164.0	16.2	164.0	164.0	165.1	139.0	113.7	88.1		
	57	175.5	15.3	175.5	175.5	174.0	146.9	122.9	97.3	165.1	16.2	165.1	165.1	163.6	137.2	112.3	86.6		
	7500	72	213.9	17.7	184.0	156.3	128.5	100.8	-	-	197.2	17.6	172.7	144.9	117.0	89.2	-	-	
67		195.2	17.3	195.2	195.2	168.5	140.7	113.0	-	180.0	17.3	180.0	180.0	154.3	126.5	98.6	-		
62		181.9	17.0	181.9	181.9	181.9	154.1	126.4	98.6	167.9	17.0	167.9	167.9	167.9	140.1	112.2	84.4		
57		182.2	17.0	182.2	182.2	182.2	154.4	126.7	99.0	169.0	17.0	169.0	169.0	169.0	141.2	113.4	85.6		

YH-15 / NH-15 (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil																			
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)									
				Return Dry Bulb (°F)								Return Dry Bulb (°F)									
				90	85	80	75	70	65			90	85	80	75	70	65				
		115°F										125°F									
4500	77	185.3	17.5	92.7	73.7	54.8	-	-	-	175.0	19.1	89.8	70.9	51.9	-	-	-				
	72	170.5	17.3	119.4	100.5	81.5	62.6	-	-	161.1	18.9	116.2	97.3	78.4	59.4	-	-				
	67	155.8	17.1	146.1	127.2	108.3	89.3	70.4	-	147.2	18.8	142.6	123.7	104.8	85.8	66.9	-				
	62	145.5	16.9	145.5	145.5	136.0	117.1	98.2	79.3	137.7	18.6	137.7	137.7	132.2	113.3	94.3	75.4				
	57	147.3	16.8	147.3	147.3	129.4	110.5	91.6	72.7	140.3	18.5	140.3	140.3	122.6	103.6	84.7	65.8				
5250	77	189.1	17.6	107.3	80.6	59.3	-	-	-	178.3	19.2	107.1	77.6	56.2	-	-	-				
	72	174.1	17.4	130.7	109.5	88.2	66.9	-	-	164.2	19.1	127.5	106.2	84.8	63.5	-	-				
	67	159.0	17.2	154.2	138.3	117.1	95.8	74.5	-	150.1	18.9	147.9	134.7	113.4	92.1	70.7	-				
	62	148.5	17.0	148.5	148.5	147.1	125.8	104.5	83.3	140.3	18.7	140.3	140.3	140.3	122.2	100.4	79.1				
	57	150.4	16.9	150.4	150.4	140.0	118.7	97.4	76.2	143.0	18.6	143.0	143.0	132.7	112.1	90.0	68.7				
6000	77	192.9	17.7	121.9	87.4	63.8	-	-	-	181.6	19.3	124.4	84.3	60.5	-	-	-				
	72	177.6	17.5	142.1	118.5	94.8	71.2	-	-	167.3	19.2	138.8	115.0	91.3	67.6	-	-				
	67	162.2	17.3	162.2	149.5	125.9	102.3	78.6	-	152.9	19.0	152.9	145.8	122.1	98.3	74.6	-				
	62	151.5	17.0	151.5	151.5	158.2	134.5	110.9	87.3	142.9	18.8	142.9	142.9	142.9	131.2	106.6	82.8				
	57	153.4	17.0	153.4	153.4	150.5	126.9	103.3	79.6	145.7	18.7	145.7	145.7	142.8	120.6	95.4	71.6				
6750	72	179.0	17.5	151.7	126.0	100.2	74.4	-	-	165.5	18.3	144.4	118.5	92.7	66.8	-	-				
	67	163.5	17.3	163.5	157.2	133.0	107.2	81.5	-	151.3	18.2	151.3	147.7	124.0	98.1	72.3	-				
	62	152.7	17.0	152.7	152.7	156.0	130.3	104.5	78.7	141.4	17.9	141.4	141.4	141.4	121.6	95.3	69.4				
	57	154.7	17.0	154.7	154.7	153.2	127.4	101.7	75.9	144.2	17.9	144.2	144.2	142.8	117.7	91.0	65.2				
7500	72	180.4	17.5	161.4	133.5	105.5	77.6	-	-	163.7	17.4	150.1	122.1	94.1	66.0	-	-				
	67	164.8	17.3	164.8	164.8	140.1	112.2	84.3	-	149.7	17.3	149.7	149.7	125.9	97.9	69.9	-				
	62	153.9	17.0	153.9	153.9	153.9	126.0	98.1	70.2	140.0	17.1	140.0	140.0	140.0	112.0	83.9	55.9				
	57	155.9	17.0	155.9	155.9	155.9	128.0	100.1	72.1	142.7	17.0	142.7	142.7	142.7	114.7	86.7	58.7				

¹ These capacities are gross ratings. For net capacity, deduct supply air blower motor, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

² These ratings include the condenser fan motors and the compressor motors but not the supply air blower motor.

YH-15 / NH-20

Air on Evaporator Coil		Temperature of Air on Condenser Coil																	
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)							
				Return Dry Bulb (°F)								Return Dry Bulb (°F)							
				90	85	80	75	70	65			90	85	80	75	70	65		
		75°F									85°F								
4500	77	214.3	12.1	111.5	92.2	72.8	-	-	-	213.3	13.3	110.6	91.3	71.9	-	-	-		
	72	201.7	11.8	138.5	119.1	99.8	80.4	-	-	199.0	13.0	137.0	117.6	98.3	78.9	-	-		
	67	189.0	11.6	165.4	146.1	126.7	107.3	88.0	-	184.6	12.7	163.3	144.0	124.6	105.2	85.9	-		
	62	181.2	11.3	181.2	177.5	156.5	137.1	117.7	98.4	171.9	12.5	171.9	170.0	150.7	131.3	112.0	92.6		
	57	177.1	11.3	177.1	177.1	160.6	141.3	121.9	102.5	170.3	12.5	170.3	170.3	153.8	134.5	115.1	95.8		
5250	77	220.7	12.2	121.6	99.7	77.7	-	-	-	219.3	13.4	120.7	98.7	76.7	-	-	-		
	72	207.6	11.9	150.4	128.4	106.4	84.5	-	-	204.6	13.1	148.8	126.8	104.9	82.9	-	-		
	67	194.6	11.7	179.1	157.2	135.2	113.2	91.2	-	189.9	12.8	176.9	154.9	133.0	111.0	89.0	-		
	62	186.5	11.4	186.5	184.7	167.0	145.2	123.0	101.0	176.8	12.6	176.8	175.8	160.8	138.8	116.9	94.9		
	57	182.3	11.4	182.3	182.3	171.4	150.0	127.4	105.5	175.1	12.6	175.1	175.1	164.2	142.2	120.3	98.3		
6000	77	227.1	12.3	131.7	107.1	82.6	-	-	-	225.4	13.5	130.7	106.1	81.6	-	-	-		
	72	213.6	12.0	162.3	137.7	113.1	88.5	-	-	210.2	13.2	160.6	136.0	111.5	86.9	-	-		
	67	200.2	11.8	192.8	168.2	143.7	119.1	94.5	-	195.1	12.9	190.5	165.9	141.3	116.8	92.2	-		
	62	191.9	11.5	191.9	191.9	177.4	153.3	128.3	103.7	181.6	12.7	181.6	181.6	170.9	146.4	121.8	97.2		
	57	187.6	11.5	187.6	187.6	182.1	158.8	133.0	108.4	179.9	12.7	179.9	179.9	174.5	150.0	125.4	100.8		
6750	72	218.3	12.1	172.7	145.8	118.9	92.0	-	-	214.0	13.3	170.8	143.9	117.0	90.1	-	-		
	67	204.5	11.9	200.9	177.9	151.0	124.1	97.2	-	198.6	13.0	196.2	175.2	148.4	121.5	94.6	-		
	62	196.0	11.6	196.0	196.0	188.7	162.0	134.9	108.0	184.9	12.7	184.9	184.9	179.4	152.6	125.7	98.8		
	57	191.6	11.6	191.6	191.6	188.9	162.6	135.1	108.2	183.1	12.7	183.1	183.1	180.4	153.6	126.7	99.8		
7500	72	223.0	12.2	183.1	153.9	124.7	95.5	-	-	217.7	13.4	180.9	151.7	122.6	93.4	-	-		
	67	208.9	11.9	208.9	187.5	158.3	129.2	100.0	-	202.0	13.1	202.0	184.6	155.4	126.2	97.0	-		
	62	200.2	11.7	200.2	200.2	199.9	170.7	141.5	112.3	188.1	12.8	188.1	188.1	187.9	158.8	129.6	100.4		
	57	195.7	11.6	195.7	195.7	195.7	166.5	137.3	108.1	186.3	12.8	186.3	186.3	186.3	157.1	128.0	98.8		
		95°F									105°F								
4500	77	212.3	14.6	109.7	90.4	71.0	-	-	-	207.7	16.7	107.9	88.6	69.2	-	-	-		
	72	196.3	14.2	135.5	116.1	96.8	77.4	-	-	191.8	16.2	133.6	114.2	94.9	75.5	-	-		
	67	180.3	13.9	161.2	141.8	122.5	103.1	83.8	-	175.9	15.8	159.2	139.9	120.5	101.2	81.9	-		
	62	162.6	13.6	162.6	162.6	144.9	125.5	106.2	86.8	158.2	15.4	158.2	158.2	141.1	121.7	102.4	83.0		
	57	163.6	13.6	163.6	163.6	147.1	127.7	108.4	89.0	160.7	15.4	160.7	160.7	144.1	124.7	105.4	86.0		
5250	77	218.0	14.6	119.7	97.8	75.8	-	-	-	213.3	16.8	118.7	95.9	74.0	-	-	-		
	72	201.6	14.3	147.2	125.2	103.3	81.3	-	-	197.0	16.3	145.3	123.3	101.4	79.4	-	-		
	67	185.2	14.0	174.6	152.7	130.7	108.8	86.8	-	180.7	15.9	171.8	150.8	128.8	106.9	84.9	-		
	62	167.0	13.7	167.0	167.0	154.6	132.5	110.7	88.8	162.4	15.5	162.4	162.4	150.8	128.7	106.9	84.9		
	57	167.9	13.7	167.9	167.9	157.0	134.4	113.1	91.1	165.0	15.5	165.0	165.0	154.0	131.7	110.1	88.1		
6000	77	223.7	14.7	129.7	105.1	80.6	-	-	-	218.9	16.9	129.6	103.3	78.7	-	-	-		
	72	206.8	14.4	158.9	134.3	109.8	85.3	-	-	202.1	16.4	157.0	132.5	107.9	83.4	-	-		
	67	190.0	14.1	188.1	163.5	139.0	114.5	89.9	-	185.4	16.0	184.4	161.6	137.1	112.6	88.0	-		
	62	171.4	13.8	171.4	171.4	164.4	139.4	115.3	90.8	166.7	15.6	166.7	166.7	160.4	135.7	111.4	86.8		
	57	172.3	13.8	172.3	172.3	166.9	141.1	117.8	93.3	169.3	15.6	169.3	169.3	163.8	138.7	114.8	90.2		
6750	72	209.6	14.5	168.9	142.0	115.1	88.3	-	-	205.1	16.5	167.0	140.1	113.2	86.4	-	-		
	67	192.6	14.2	191.6	172.6	145.7	118.9	92.0	-	188.1	16.0	187.6	170.7	143.9	117.0	90.2	-		
	62	173.7	13.9	173.7	173.7	170.2	143.1	116.5	89.6	169.1	15.6	169.1	169.1	166.0	139.0	112.2	85.4		
	57	174.7	13.9	174.7	174.7	172.0	144.5	118.2	91.4	171.8	15.6	171.8	171.8	169.0	141.9	115.3	88.5		
7500	72	212.4	14.5	178.8	149.6	120.4	91.3	-	-	208.0	16.5	176.9	147.8	118.6	89.4	-	-		
	67	195.1	14.2	195.1	181.7	152.5	123.3	94.1	-	190.8	16.1	190.8	179.8	150.7	121.5	92.3	-		
	62	176.0	13.9	176.0	176.0	176.0	146.8	117.6	88.4	171.5	15.7	171.5	171.5	171.5	142.3	113.1	84.0		
	57	177.0	13.9	177.0	177.0	177.0	147.8	118.6	89.5	174.2	15.6	174.2	174.2	174.2	145.0	115.9	86.7		

YH-15 / NH-20 (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil																			
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)									
				Return Dry Bulb (°F)								Return Dry Bulb (°F)									
				90	85	80	75	70	65			90	85	80	75	70	65				
		115°F										125°F									
4500	77	203.2	18.8	106.1	86.7	67.4	-	-	-	198.7	21.0	104.2	84.9	65.6	-	-	-				
	72	187.4	18.3	131.7	112.3	93.0	73.7	-	-	182.9	20.3	129.8	110.4	91.1	71.8	-	-				
	67	171.6	17.7	157.3	137.9	118.6	99.3	79.9	-	167.2	19.6	155.3	136.0	116.7	97.3	78.0	-				
	62	153.7	17.2	153.7	153.7	137.3	117.9	98.6	79.3	149.3	19.0	149.3	149.3	133.5	114.1	94.8	75.5				
	57	157.8	17.1	157.8	157.8	141.1	121.7	102.4	83.0	154.9	18.9	154.9	154.9	138.0	118.7	99.4	80.1				
5250	77	208.6	19.0	117.7	94.1	72.1	-	-	-	204.0	21.1	116.8	92.2	70.3	-	-	-				
	72	192.4	18.4	143.4	121.4	99.5	77.6	-	-	187.8	20.4	141.5	119.6	97.6	75.7	-	-				
	67	176.2	17.8	169.0	148.8	126.9	105.0	83.0	-	171.7	19.7	166.2	146.9	125.0	103.0	81.1	-				
	62	157.8	17.3	157.8	157.8	146.9	124.9	103.0	81.1	153.3	19.1	153.3	153.3	143.0	121.2	99.1	77.2				
	57	162.0	17.2	162.0	162.0	150.9	129.0	107.0	85.1	159.1	19.0	159.1	159.1	147.9	126.3	104.0	82.1				
6000	77	214.1	19.1	129.4	101.4	76.8	-	-	-	209.3	21.2	129.3	99.5	74.9	-	-	-				
	72	197.4	18.5	155.1	130.6	106.0	81.5	-	-	192.8	20.5	153.2	128.7	104.1	79.6	-	-				
	67	180.8	17.9	180.8	159.7	135.2	110.7	86.1	-	176.2	19.8	176.2	157.8	133.3	108.8	84.2	-				
	62	162.0	17.4	162.0	162.0	156.5	131.9	107.4	82.8	157.3	19.2	157.3	157.3	152.5	128.2	103.4	78.9				
	57	166.3	17.3	166.3	166.3	160.8	136.3	111.7	87.2	163.2	19.1	163.2	163.2	157.8	133.8	108.7	84.1				
6750	72	200.5	18.5	165.1	138.2	111.4	84.5	-	-	195.9	20.5	163.2	136.3	109.5	82.6	-	-				
	67	183.6	17.9	183.6	168.9	142.0	115.2	88.3	-	179.1	19.7	179.1	167.0	140.2	113.3	86.5	-				
	62	164.5	17.4	164.5	164.5	161.7	134.9	108.0	81.2	159.9	19.2	159.9	159.9	157.5	130.8	103.8	77.0				
	57	168.8	17.3	168.8	168.8	166.1	139.3	112.4	85.6	165.9	19.0	165.9	165.9	163.2	136.7	109.5	82.7				
7500	72	203.6	18.5	175.0	145.9	116.7	87.6	-	-	199.1	20.4	173.1	144.0	114.9	85.7	-	-				
	67	186.4	17.9	186.4	178.0	148.8	119.7	90.5	-	182.0	19.7	182.0	176.2	147.0	117.9	88.7	-				
	62	167.0	17.4	167.0	167.0	167.0	137.8	108.7	79.5	162.5	19.2	162.5	162.5	162.5	133.3	104.2	75.0				
	57	171.4	17.3	171.4	171.4	171.4	142.3	113.1	83.9	168.6	19.0	168.6	168.6	168.6	139.5	110.3	81.2				

¹ These capacities are gross ratings. For net capacity, deduct supply air blower motor, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

² These ratings include the condenser fan motors and the compressor motors but not the supply air blower motor.

YJ-15 / Two NH-07

Air on Evaporator Coil		Temperature of Air on Condenser Coil																	
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)							
				Return Dry Bulb (°F)								Return Dry Bulb (°F)							
				90	85	80	75	70	65			90	85	80	75	70	65		
		75°F									85°F								
4500	77	216.0	12.0	105.9	88.7	71.5	-	-	-	208.8	13.2	103.4	86.2	69.0	-	-	-		
	72	200.4	11.7	130.4	113.2	96.0	78.8	-	-	194.2	12.9	128.0	110.9	93.7	76.5	-	-		
	67	184.8	11.4	154.8	137.7	120.5	103.3	86.1	-	179.6	12.6	152.7	135.5	118.3	101.2	84.0	-		
	62	173.1	11.2	173.1	164.2	147.0	129.8	112.6	95.4	165.4	12.4	165.4	161.0	143.8	126.6	109.4	92.3		
	57	165.6	11.1	165.6	165.6	150.2	133.0	115.8	98.6	162.3	12.3	162.3	162.3	147.5	130.3	113.1	95.9		
5250	77	222.3	12.1	114.8	95.5	76.2	-	-	-	215.7	13.2	112.2	93.0	73.7	-	-	-		
	72	206.2	11.8	140.8	121.5	102.3	83.0	-	-	200.5	13.0	138.5	119.3	100.0	80.8	-	-		
	67	190.2	11.5	166.9	147.6	128.3	109.0	89.8	-	185.4	12.7	164.9	145.6	126.3	107.1	87.8	-		
	62	178.1	11.2	178.1	173.7	156.5	137.8	118.0	98.7	170.8	12.4	170.8	168.6	153.5	134.2	115.0	95.7		
	57	170.4	11.2	170.4	170.4	159.9	141.5	121.4	102.1	167.6	12.4	167.6	167.6	157.4	138.2	118.9	99.6		
6000	77	228.6	12.1	123.6	102.2	80.9	-	-	-	222.5	13.3	121.1	99.7	78.4	-	-	-		
	72	212.1	11.9	151.3	129.9	108.5	87.1	-	-	206.9	13.1	149.0	127.7	106.4	85.0	-	-		
	67	195.6	11.6	178.9	157.6	136.2	114.8	93.4	-	191.3	12.8	177.0	155.7	134.3	113.0	91.6	-		
	62	183.2	11.3	183.2	183.2	166.1	145.8	123.4	102.0	176.2	12.5	176.2	176.2	163.2	141.9	120.5	99.2		
	57	175.2	11.3	175.2	175.2	169.7	149.9	127.0	105.6	172.9	12.5	172.9	172.9	167.4	146.0	124.7	103.3		
6750	72	216.4	11.9	159.1	136.1	113.1	90.1	-	-	209.8	13.1	156.5	133.5	110.6	87.6	-	-		
	67	199.6	11.6	188.8	164.9	141.9	118.9	95.9	-	193.9	12.8	185.6	162.6	139.7	116.7	93.7	-		
	62	186.9	11.4	186.9	186.9	173.4	150.9	127.4	104.4	178.7	12.6	178.7	178.7	169.7	146.7	123.8	100.8		
	57	178.8	11.3	178.8	178.8	176.1	153.9	130.1	107.1	175.3	12.5	175.3	175.3	172.5	149.6	126.6	103.7		
	7500	72	220.7	12.0	166.9	142.3	117.7	93.0	-	-	212.6	13.2	163.9	139.3	114.8	90.2	-	-	
67		203.5	11.7	198.6	172.3	147.7	123.0	98.4	-	196.6	12.9	194.1	169.5	145.0	120.4	95.8	-		
62		190.6	11.4	190.6	190.6	180.6	156.0	131.4	106.8	181.1	12.6	181.1	181.1	176.1	151.6	127.0	102.4		
57		182.4	11.4	182.4	182.4	182.4	157.8	133.2	108.6	177.7	12.6	177.7	177.7	177.7	153.1	128.5	104.0		
		95°F									105°F								
4500	77	201.7	14.3	100.9	83.7	66.6	-	-	-	197.4	16.0	98.8	81.6	64.5	-	-	-		
	72	188.0	14.1	125.7	108.5	91.4	74.2	-	-	183.8	15.7	123.8	106.6	89.4	72.3	-	-		
	67	174.3	13.8	150.5	133.4	116.2	99.1	81.9	-	170.2	15.4	148.7	131.6	114.4	97.2	80.0	-		
	62	157.8	13.5	157.8	157.8	140.6	123.4	106.3	89.1	156.2	15.2	156.2	156.2	139.1	121.9	104.8	87.6		
	57	159.0	13.5	159.0	159.0	144.7	127.6	110.4	93.3	155.4	15.2	155.4	155.4	140.6	123.4	106.2	89.1		
5250	77	209.0	14.4	109.7	90.5	71.2	-	-	-	204.0	16.1	107.4	88.2	69.0	-	-	-		
	72	194.9	14.2	136.3	117.0	97.8	78.6	-	-	189.9	15.8	134.1	114.9	95.7	76.4	-	-		
	67	180.7	13.9	162.8	143.6	124.4	105.1	85.9	-	175.8	15.5	160.9	141.6	122.4	103.1	83.9	-		
	62	163.5	13.6	163.5	163.5	150.5	130.7	112.0	92.7	161.4	15.3	161.4	161.4	148.8	129.3	110.4	91.1		
	57	164.8	13.6	164.8	164.8	154.9	134.8	116.4	97.2	160.6	15.3	160.6	160.6	150.4	130.8	111.9	92.7		
6000	77	216.4	14.5	118.5	97.2	75.9	-	-	-	210.6	16.2	116.1	94.8	73.5	-	-	-		
	72	201.7	14.2	146.8	125.5	104.2	82.9	-	-	196.1	15.9	144.5	123.2	101.9	80.6	-	-		
	67	187.0	14.0	175.1	153.8	132.5	111.2	89.9	-	181.5	15.6	173.0	151.7	130.4	109.1	87.8	-		
	62	169.3	13.7	169.3	169.3	160.3	137.9	117.7	96.4	166.6	15.4	166.6	166.6	158.6	136.7	116.0	94.7		
	57	170.5	13.7	170.5	170.5	165.0	142.1	122.4	101.1	165.8	15.3	165.8	165.8	160.2	138.1	117.6	96.3		
6750	72	203.1	14.3	153.9	131.0	108.0	85.1	-	-	197.7	15.9	151.6	128.7	105.8	83.0	-	-		
	67	188.3	14.0	182.4	160.3	137.4	114.5	91.6	-	183.1	15.7	178.8	158.3	135.4	112.5	89.6	-		
	62	170.5	13.8	170.5	170.5	166.0	142.5	120.2	97.2	168.0	15.4	168.0	168.0	164.0	140.9	118.2	95.4		
	57	171.7	13.7	171.7	171.7	169.0	145.3	123.2	100.2	167.2	15.4	167.2	167.2	164.4	141.1	118.7	95.8		
	7500	72	204.5	14.3	160.9	136.4	111.9	87.4	-	-	199.4	16.0	158.7	134.2	109.8	85.3	-	-	
67		189.6	14.1	189.6	166.8	142.3	117.8	93.2	-	184.7	15.7	184.7	164.9	140.4	115.9	91.4	-		
62		171.7	13.8	171.7	171.7	171.7	147.1	122.6	98.1	169.5	15.5	169.5	169.5	169.5	145.0	120.5	96.1		
57		173.0	13.8	173.0	173.0	173.0	148.4	123.9	99.4	168.6	15.4	168.6	168.6	168.6	144.1	119.7	95.2		

YJ-15 / Two NH-07 (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil																			
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)									
				Return Dry Bulb (°F)								Return Dry Bulb (°F)									
				90	85	80	75	70	65			90	85	80	75	70	65				
		115°F										125°F									
4500	77	193.0	17.7	96.7	79.6	62.4	-	-	-	188.7	19.3	94.6	77.5	60.3	-	-	-				
	72	179.5	17.4	121.8	104.6	87.5	70.3	-	-	175.3	19.0	119.9	102.7	85.5	68.3	-	-				
	67	166.0	17.1	146.9	129.7	112.6	95.4	78.2	-	161.9	18.7	145.1	127.9	110.7	93.5	76.4	-				
	62	154.6	16.8	154.6	154.6	137.6	120.4	103.3	86.1	152.9	18.5	152.9	152.9	136.1	118.9	101.7	84.6				
	57	151.8	16.8	151.8	151.8	136.4	119.2	102.1	84.9	148.2	18.4	148.2	148.2	132.2	115.1	97.9	80.7				
5250	77	198.9	17.8	105.2	86.0	66.7	-	-	-	193.8	19.4	103.0	83.7	64.5	-	-	-				
	72	185.0	17.5	132.0	112.8	93.6	74.3	-	-	180.0	19.1	129.9	110.7	91.5	72.2	-	-				
	67	171.0	17.2	158.9	139.6	120.4	101.2	81.9	-	166.2	18.8	156.9	137.7	118.4	99.2	80.0	-				
	62	159.2	16.9	159.2	159.2	147.2	128.0	108.7	89.5	157.1	18.6	157.1	157.1	145.6	126.6	107.1	87.9				
	57	156.4	16.9	156.4	156.4	145.9	126.7	107.5	88.2	152.2	18.5	152.2	152.2	141.4	122.6	103.0	83.7				
6000	77	204.7	17.9	113.7	92.4	71.1	-	-	-	198.9	19.5	111.3	90.0	68.7	-	-	-				
	72	190.4	17.6	142.3	121.0	99.7	78.4	-	-	184.8	19.2	140.0	118.7	97.4	76.1	-	-				
	67	176.1	17.2	170.9	149.6	128.3	107.0	85.7	-	170.6	18.9	168.7	147.4	126.1	104.9	83.6	-				
	62	163.9	17.0	163.9	163.9	156.8	135.5	114.2	92.9	161.3	18.7	161.3	161.3	155.1	134.3	112.5	91.2				
	57	161.0	17.0	161.0	161.0	155.4	134.2	112.9	91.6	156.2	18.6	156.2	156.2	150.7	130.2	108.1	86.8				
6750	72	192.4	17.6	149.4	126.5	103.6	80.8	-	-	187.0	19.3	147.1	124.3	101.4	78.6	-	-				
	67	177.9	17.3	175.3	156.2	133.4	110.5	87.7	-	172.7	18.9	171.7	154.2	131.4	108.5	85.7	-				
	62	165.6	17.1	165.6	165.6	162.1	139.2	116.3	93.5	163.2	18.7	163.2	163.2	160.1	137.5	114.4	91.6				
	57	162.6	17.0	162.6	162.6	159.9	137.0	114.1	91.3	158.1	18.7	158.1	158.1	155.3	132.9	109.6	86.8				
7500	72	194.3	17.7	156.5	132.0	107.6	83.2	-	-	189.2	19.3	154.2	129.9	105.5	81.1	-	-				
	67	179.7	17.4	179.7	162.9	138.5	114.1	89.6	-	174.7	19.0	174.7	161.0	136.6	112.2	87.8	-				
	62	167.3	17.1	167.3	167.3	167.3	142.9	118.4	94.0	165.1	18.8	165.1	165.1	165.1	140.7	116.3	92.0				
	57	164.3	17.1	164.3	164.3	164.3	139.8	115.4	91.0	159.9	18.7	159.9	159.9	159.9	135.6	111.2	86.8				

¹ These capacities are gross ratings. For net capacity, deduct supply air blower motor, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

² These ratings include the condenser fan motors and the compressor motors but not the supply air blower motor.

YJ-15 / Two NH-10

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh) ¹						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh) ¹					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
6000	77	241.0	12.0	121.2	97.8	74.3	-	-	-	237.1	13.2	119.7	96.2	72.6	-	-	-
	72	222.0	11.7	154.8	131.4	107.9	84.4	-	-	219.2	12.9	153.8	130.2	106.7	83.1	-	-
	67	203.0	11.4	188.4	165.0	141.5	118.0	94.5	-	201.4	12.6	187.8	164.2	140.7	117.1	93.6	-
	62	191.6	11.2	191.6	191.6	168.1	144.6	121.1	97.6	188.1	12.3	188.1	187.8	164.3	140.7	117.2	93.6
	57	189.3	11.2	189.3	189.5	166.0	142.6	119.1	95.6	189.2	12.4	189.2	188.9	165.3	141.8	118.2	94.7
7000	77	247.3	12.1	136.7	106.3	79.7	-	-	-	242.9	13.3	135.8	104.6	78.0	-	-	-
	72	227.8	11.8	168.9	142.3	115.8	89.2	-	-	224.6	13.0	167.7	141.1	114.5	87.9	-	-
	67	208.3	11.5	201.0	178.4	151.8	125.3	98.7	-	206.4	12.6	199.5	177.6	151.0	124.4	97.8	-
	62	196.6	11.2	196.6	196.6	180.4	153.4	127.3	100.8	192.7	12.4	192.7	192.6	176.3	149.8	123.2	96.6
	57	194.3	11.3	194.3	194.4	178.2	152.5	125.1	98.5	193.9	12.5	193.9	193.7	177.5	150.9	124.3	97.7
8000	77	253.6	12.2	152.2	114.8	85.1	-	-	-	248.7	13.3	151.8	112.9	83.3	-	-	-
	72	233.6	11.9	182.9	153.3	123.7	94.1	-	-	230.0	13.0	181.6	151.9	122.3	92.7	-	-
	67	213.6	11.5	213.6	191.8	162.2	132.6	103.0	-	211.3	12.7	211.3	191.0	161.3	131.7	102.1	-
	62	201.6	11.3	201.6	201.6	192.7	162.3	133.5	103.9	197.3	12.5	197.3	197.3	188.4	158.8	129.2	99.6
	57	199.3	11.4	199.3	199.3	190.3	162.5	131.1	101.5	198.5	12.5	198.5	198.5	189.6	160.0	130.4	100.8
9000	72	238.5	11.9	193.5	161.5	129.6	97.6	-	-	234.0	13.1	192.0	160.0	128.1	96.1	-	-
	67	218.1	11.6	218.1	201.9	169.9	138.0	106.1	-	215.0	12.8	215.0	200.9	168.9	136.9	105.0	-
	62	205.8	11.4	205.8	205.8	201.3	169.0	137.4	105.5	200.7	12.5	200.7	200.7	196.3	164.3	132.3	100.3
	57	203.4	11.4	203.4	203.4	199.0	167.9	135.1	103.1	201.9	12.6	201.9	201.9	197.5	165.5	133.5	101.6
	10000	72	243.3	12.0	204.1	169.8	135.5	101.2	-	-	238.0	13.1	202.5	168.1	133.8	99.5	-
67		222.5	11.7	222.5	212.0	177.7	143.4	109.1	-	218.6	12.8	218.6	210.8	176.5	142.1	107.8	-
62		210.0	11.4	210.0	210.0	210.0	175.7	141.4	107.1	204.1	12.6	204.1	204.1	204.1	169.8	135.4	101.1
57		207.6	11.5	207.6	207.6	207.6	173.3	139.0	104.7	205.4	12.6	205.4	205.4	205.4	171.0	136.7	102.4
		95°F								105°F							
6000	77	233.2	14.3	118.3	94.6	71.0	-	-	-	229.8	15.1	117.0	93.3	69.7	-	-	-
	72	216.5	14.0	152.7	129.1	105.5	81.9	-	-	213.6	14.8	151.7	128.1	104.5	80.8	-	-
	67	199.8	13.7	187.1	163.5	139.9	116.3	92.7	-	197.4	14.5	186.4	162.8	139.2	115.6	92.0	-
	62	184.5	13.4	184.5	184.1	160.5	136.8	113.2	89.6	185.1	14.2	185.1	183.8	160.2	136.5	112.9	89.3
	57	189.1	13.5	189.1	188.2	164.6	141.0	117.4	93.8	187.3	14.3	187.3	185.9	162.2	138.6	115.0	91.4
7000	77	238.5	14.4	134.9	102.9	76.3	-	-	-	233.4	15.8	135.0	101.2	74.6	-	-	-
	72	221.5	14.1	166.5	139.8	113.2	86.6	-	-	216.9	15.5	165.0	138.4	111.7	85.1	-	-
	67	204.4	13.8	198.1	176.8	150.2	123.6	97.0	-	200.5	15.2	195.0	175.5	148.9	122.3	95.6	-
	62	188.8	13.5	188.8	188.5	172.3	146.1	119.0	92.4	187.9	14.9	187.9	187.3	171.3	144.9	118.1	91.5
	57	193.4	13.6	193.4	193.0	176.7	149.3	123.5	96.9	190.3	14.9	190.3	189.5	173.6	146.5	120.3	93.7
8000	77	243.9	14.5	151.5	111.1	81.5	-	-	-	237.0	16.4	153.0	109.1	79.5	-	-	-
	72	226.4	14.2	180.2	150.6	121.0	91.4	-	-	220.3	16.1	178.3	148.7	119.0	89.4	-	-
	67	209.0	13.9	209.0	190.1	160.5	130.9	101.3	-	203.6	15.8	203.6	188.2	158.6	129.0	99.3	-
	62	193.0	13.6	193.0	193.0	184.1	155.3	124.9	95.2	190.8	15.5	190.8	190.8	182.5	153.3	123.2	93.6
	57	197.8	13.7	197.8	197.8	188.9	157.5	129.6	100.0	193.2	15.5	193.2	193.2	184.9	154.4	125.6	96.0
9000	72	229.5	14.2	190.6	158.6	126.6	94.5	-	-	222.9	16.1	188.2	156.3	124.3	92.3	-	-
	67	211.8	13.9	211.8	199.9	167.9	135.9	103.9	-	206.0	15.8	206.0	197.0	165.6	133.6	101.7	-
	62	195.6	13.7	195.6	195.6	191.2	159.6	127.2	95.2	193.1	15.5	193.1	193.1	188.9	157.1	124.9	93.0
	57	200.5	13.7	200.5	200.5	196.0	163.1	132.0	100.0	195.5	15.5	195.5	195.5	191.3	158.9	127.4	95.4
	10000	72	232.6	14.3	200.9	166.5	132.1	97.7	-	-	225.4	16.1	198.2	163.9	129.6	95.3	-
67		214.7	14.0	214.7	209.6	175.2	140.8	106.5	-	208.3	15.8	208.3	205.8	172.6	138.3	104.0	-
62		198.3	13.7	198.3	198.3	198.3	163.9	129.5	95.1	195.3	15.5	195.3	195.3	195.3	161.0	126.7	92.4
57		203.2	13.8	203.2	203.2	203.2	168.8	134.4	100.0	197.7	15.5	197.7	197.7	197.7	163.4	129.1	94.8

YJ-15 / Two NH-10 (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh) ¹						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh) ¹					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
6000	77	226.4	15.9	115.7	92.1	68.4	-	-	-	223.0	16.7	114.4	90.8	67.1	-	-	-
	72	210.6	15.6	150.7	127.1	103.5	79.8	-	-	207.7	16.4	149.7	126.1	102.5	78.8	-	-
	67	194.9	15.3	185.7	162.1	138.5	114.9	91.2	-	192.4	16.1	185.0	161.4	137.8	114.1	90.5	-
	62	185.6	15.0	185.6	183.5	159.8	136.2	112.6	89.0	186.1	15.8	186.1	183.2	159.5	135.9	112.3	88.7
	57	185.6	15.0	185.6	183.5	159.9	136.3	112.6	89.0	183.8	15.8	183.8	181.1	157.5	133.9	110.3	86.7
7000	77	228.3	17.1	135.1	99.6	72.9	-	-	-	223.2	18.5	135.2	97.9	71.3	-	-	-
	72	212.4	16.8	163.5	136.9	110.3	83.6	-	-	207.9	18.2	162.0	135.4	108.8	82.1	-	-
	67	196.5	16.5	191.9	174.2	147.6	121.0	94.3	-	192.6	17.9	188.9	172.9	146.3	119.6	93.0	-
	62	187.1	16.2	187.1	186.1	170.4	143.7	117.1	90.5	186.3	17.5	186.3	184.8	169.4	142.6	116.1	89.5
	57	187.1	16.2	187.1	186.1	170.4	143.8	117.1	90.5	184.0	17.5	184.0	182.6	167.2	141.0	114.0	87.3
8000	77	230.2	18.3	154.5	107.1	77.4	-	-	-	223.4	20.2	156.0	105.1	75.4	-	-	-
	72	214.2	18.0	176.3	146.7	117.1	87.4	-	-	208.1	19.9	174.4	144.7	115.1	85.5	-	-
	67	198.2	17.7	198.2	186.3	156.7	127.1	97.4	-	192.7	19.6	192.7	184.4	154.8	125.1	95.5	-
	62	188.7	17.3	188.7	188.7	180.9	151.2	121.6	92.0	186.5	19.2	186.5	186.5	179.3	149.2	120.0	90.3
	57	188.7	17.3	188.7	188.7	180.9	151.3	121.6	92.0	184.2	19.1	184.2	184.2	176.9	148.2	117.7	88.0
9000	72	216.2	17.9	185.9	154.0	122.0	90.1	-	-	209.6	19.8	183.6	151.7	119.8	87.9	-	-
	67	200.1	17.6	200.1	194.1	163.4	131.4	99.5	-	194.2	19.5	194.2	191.3	161.1	129.2	97.3	-
	62	190.5	17.3	190.5	190.5	186.6	154.7	122.7	90.8	187.9	19.1	187.9	187.9	184.3	152.2	120.5	88.6
	57	190.5	17.3	190.5	190.5	186.6	154.7	122.8	90.8	185.5	19.0	185.5	185.5	181.9	150.5	118.1	86.2
10000	72	218.3	17.9	195.5	161.3	127.0	92.8	-	-	211.1	19.7	192.8	158.6	124.5	90.3	-	-
	67	202.0	17.6	202.0	202.0	170.0	135.8	101.6	-	195.6	19.4	195.6	195.6	167.4	133.3	99.1	-
	62	192.3	17.2	192.3	192.3	192.3	158.1	123.8	89.6	189.3	19.0	189.3	189.3	189.3	155.2	121.0	86.9
	57	192.3	17.2	192.3	192.3	192.3	158.1	123.9	89.6	186.9	18.9	186.9	186.9	186.9	152.8	118.6	84.5

¹ These capacities are gross ratings. For net capacity, deduct supply air blower motor, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

² These ratings include the condenser fan motors and the compressor motors but not the supply air blower motor.

YJ-15 / NJ-15

Air on Evaporator Coil		Temperature of Air on Condenser Coil																	
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)							
				Return Dry Bulb (°F)								Return Dry Bulb (°F)							
				90	85	80	75	70	65			90	85	80	75	70	65		
		75°F									85°F								
4500	77	208.6	11.7	106.3	87.7	69.0	-	-	-	205.9	13.0	103.7	84.9	66.2	-	-	-		
	72	198.3	11.4	132.6	113.9	95.3	76.6	-	-	192.8	12.7	129.9	111.1	92.4	73.6	-	-		
	67	188.0	11.0	158.8	140.2	121.5	102.9	84.2	-	179.7	12.4	156.1	137.4	118.6	99.9	81.1	-		
	62	170.5	10.9	170.5	170.5	152.4	133.8	115.1	96.5	166.3	12.2	166.3	166.3	150.1	131.4	112.6	93.9		
	57	177.8	11.0	177.8	177.8	161.5	142.9	124.2	105.6	172.3	12.2	172.3	172.3	155.9	137.1	118.4	99.6		
5250	77	217.2	11.7	117.1	95.9	74.6	-	-	-	213.0	13.0	114.0	92.6	71.2	-	-	-		
	72	206.4	11.4	145.5	124.2	102.9	81.6	-	-	199.5	12.7	142.3	120.9	99.5	78.1	-	-		
	67	195.7	11.1	173.8	152.5	131.2	110.0	88.7	-	186.0	12.5	170.5	149.1	127.7	106.3	84.9	-		
	62	177.6	10.9	177.6	177.6	164.6	144.0	122.0	100.8	172.0	12.2	172.0	172.0	161.7	140.3	118.9	97.5		
	57	185.1	11.0	185.1	185.1	174.5	153.9	131.9	110.6	178.3	12.3	178.3	178.3	167.8	146.5	125.1	103.7		
6000	77	225.8	11.8	128.0	104.0	80.1	-	-	-	220.1	13.1	124.4	100.3	76.3	-	-	-		
	72	214.6	11.4	158.4	134.5	110.5	86.6	-	-	206.1	12.8	154.6	130.6	106.6	82.5	-	-		
	67	203.4	11.1	188.9	164.9	141.0	117.0	93.1	-	192.2	12.5	184.9	160.9	136.8	112.8	88.8	-		
	62	184.6	11.0	184.6	184.6	176.9	154.2	129.0	105.1	177.8	12.3	177.8	177.8	173.2	149.1	125.1	101.1		
	57	192.4	11.1	192.4	192.4	187.4	165.0	139.5	115.6	184.2	12.4	184.2	184.2	179.8	155.8	131.7	107.7		
6750	72	214.6	11.5	167.9	142.4	116.8	91.2	-	-	206.7	12.9	164.3	138.6	113.0	87.3	-	-		
	67	203.4	11.2	196.2	174.5	149.0	123.4	97.8	-	192.7	12.6	189.0	170.7	145.0	119.3	93.7	-		
	62	184.6	11.1	184.6	184.6	180.7	155.8	129.6	104.0	178.3	12.4	178.3	178.3	176.0	150.3	124.6	98.9		
	57	192.4	11.1	192.4	192.4	189.9	165.1	138.8	113.2	184.7	12.4	184.7	184.7	182.5	156.8	131.2	105.5		
	7500	72	214.6	11.6	177.4	150.3	123.1	95.9	-	-	207.2	12.9	174.0	146.6	119.3	92.0	-	-	
67		203.5	11.3	203.5	184.1	157.0	129.8	102.6	-	193.2	12.6	193.2	180.5	153.2	125.9	98.6	-		
62		184.6	11.1	184.6	184.6	184.6	157.4	130.2	103.0	178.7	12.4	178.7	178.7	178.7	151.4	124.1	96.8		
57		192.5	11.2	192.5	192.5	192.5	165.3	138.1	110.9	185.2	12.5	185.2	185.2	185.2	157.9	130.6	103.3		
		95°F									105°F								
4500	77	203.1	14.3	101.0	82.1	63.3	-	-	-	189.1	16.0	95.4	76.6	57.9	-	-	-		
	72	187.3	14.0	127.2	108.4	89.5	70.7	-	-	175.6	15.7	122.5	103.8	85.0	66.3	-	-		
	67	171.5	13.7	153.5	134.6	115.8	96.9	78.1	-	162.1	15.5	149.7	130.9	112.2	93.5	74.7	-		
	62	162.0	13.5	162.0	162.0	147.9	129.0	110.2	91.3	153.3	15.3	153.3	153.3	141.3	122.5	103.8	85.0		
	57	166.8	13.5	166.8	166.8	150.2	131.4	112.5	93.7	156.8	15.2	156.8	156.8	145.7	126.9	108.2	89.5		
5250	77	208.8	14.3	110.9	89.4	67.9	-	-	-	195.1	16.0	108.5	84.0	62.7	-	-	-		
	72	192.5	14.1	139.0	117.6	96.1	74.6	-	-	181.2	15.8	134.8	113.4	92.1	70.8	-	-		
	67	176.2	13.8	167.2	145.7	124.2	102.7	81.2	-	167.3	15.5	161.0	142.8	121.5	100.2	78.8	-		
	62	166.5	13.5	166.5	166.5	158.7	136.5	115.7	94.2	158.2	15.3	158.2	158.2	153.0	131.3	110.3	89.0		
	57	171.4	13.6	171.4	171.4	161.2	139.0	118.2	96.7	161.8	15.3	161.8	161.8	157.8	136.1	115.1	93.8		
6000	77	214.4	14.4	120.8	96.7	72.5	-	-	-	201.1	16.1	121.6	91.4	67.4	-	-	-		
	72	197.7	14.2	150.9	126.7	102.6	78.5	-	-	186.8	15.8	147.0	123.1	99.1	75.2	-	-		
	67	181.0	13.9	180.9	156.8	132.7	108.5	84.4	-	172.4	15.6	172.4	154.8	130.8	106.9	83.0	-		
	62	171.0	13.6	171.0	171.0	169.5	144.0	121.2	97.1	163.0	15.4	163.0	163.0	164.7	140.1	116.8	92.9		
	57	176.1	13.7	176.1	176.1	172.2	146.5	123.9	99.8	166.8	15.4	166.8	166.8	169.9	145.2	122.0	98.1		
6750	72	198.8	14.2	160.7	134.9	109.1	83.3	-	-	186.7	15.9	156.8	131.0	105.1	79.2	-	-		
	67	182.0	13.9	181.9	166.9	141.1	115.3	89.5	-	172.4	15.6	172.4	162.0	138.7	112.8	86.9	-		
	62	171.9	13.7	171.9	171.9	171.2	144.7	119.6	93.8	163.0	15.4	163.0	163.0	163.8	137.6	112.1	86.2		
	57	177.0	13.7	177.0	177.0	175.1	148.5	123.5	97.7	166.7	15.4	166.7	166.7	168.3	142.0	116.5	90.6		
	7500	72	199.8	14.3	170.5	143.0	115.6	88.2	-	-	186.7	15.9	166.7	138.9	111.0	83.2	-	-	
67		183.0	14.0	183.0	176.9	149.5	122.0	94.6	-	172.3	15.7	172.3	169.3	146.5	118.7	90.9	-		
62		172.9	13.7	172.9	172.9	172.9	145.4	118.0	90.6	162.9	15.5	162.9	162.9	162.9	135.1	107.3	79.5		
57		178.0	13.8	178.0	178.0	178.0	150.5	123.1	95.6	166.7	15.4	166.7	166.7	166.7	138.8	111.0	83.2		

YJ-15 / NJ-15 (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil																			
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)									
				Return Dry Bulb (°F)								Return Dry Bulb (°F)									
				90	85	80	75	70	65			90	85	80	75	70	65				
		115°F										125°F									
4500	77	175.1	17.7	89.8	71.1	52.5	-	-	-	161.0	19.4	84.1	65.6	47.1	-	-	-				
	72	163.9	17.4	117.8	99.2	80.6	61.9	-	-	152.2	19.1	113.1	94.6	76.1	57.6	-	-				
	67	152.8	17.2	145.9	127.3	108.6	90.0	71.4	-	143.4	18.9	142.1	123.6	105.1	86.6	68.0	-				
	62	144.6	17.1	144.6	144.6	134.7	116.0	97.4	78.8	135.8	18.8	135.8	135.8	128.1	109.5	91.0	72.5				
	57	146.8	17.0	146.8	146.8	141.1	122.5	103.9	85.2	136.8	18.7	136.8	136.8	136.6	118.0	99.5	81.0				
5250	77	181.4	17.7	106.1	78.6	57.4	-	-	-	167.8	19.4	103.6	73.2	52.2	-	-	-				
	72	169.9	17.5	130.5	109.3	88.1	66.9	-	-	158.6	19.2	126.2	105.2	84.1	63.1	-	-				
	67	158.3	17.2	154.9	140.0	118.8	97.6	76.4	-	149.4	18.9	148.7	137.1	116.1	95.1	74.0	-				
	62	149.8	17.1	149.8	149.8	147.3	126.1	104.9	83.7	141.5	18.9	141.5	141.5	141.5	120.9	99.5	78.5				
	57	152.1	17.0	152.1	152.1	154.3	133.1	112.0	90.8	142.5	18.7	142.5	142.5	142.5	130.2	108.8	87.8				
6000	77	187.8	17.8	122.4	86.1	62.3	-	-	-	174.5	19.4	123.1	80.8	57.2	-	-	-				
	72	175.8	17.5	143.1	119.4	95.6	71.9	-	-	164.9	19.2	139.2	115.7	92.2	68.6	-	-				
	67	163.9	17.3	163.9	152.7	129.0	105.2	81.5	-	155.3	19.0	155.3	150.7	127.1	103.6	80.0	-				
	62	155.1	17.2	155.1	155.1	159.9	136.1	112.4	88.7	147.1	18.9	147.1	147.1	147.1	132.2	108.0	84.4				
	57	157.5	17.1	157.5	157.5	167.5	143.8	120.1	96.3	148.2	18.8	148.2	148.2	148.2	142.4	118.1	94.6				
6750	72	174.6	17.6	153.0	127.0	101.1	75.1	-	-	162.6	19.2	149.2	123.1	97.0	71.0	-	-				
	67	162.8	17.3	162.8	157.2	136.3	110.3	84.3	-	153.2	19.0	153.2	152.4	133.9	107.8	81.8	-				
	62	154.0	17.2	154.0	154.0	156.4	130.5	104.5	78.5	145.1	19.0	145.1	145.1	145.1	123.3	96.9	70.9				
	57	156.4	17.1	156.4	156.4	161.4	135.5	109.5	83.5	146.1	18.8	146.1	146.1	146.1	128.9	102.5	76.4				
	7500	72	173.5	17.6	162.9	134.7	106.5	78.3	-	-	160.3	19.3	159.1	130.5	101.9	73.3	-	-			
67		161.7	17.3	161.7	161.7	143.6	115.4	87.2	-	151.0	19.0	151.0	151.0	140.6	112.0	83.5	-				
62		153.0	17.2	153.0	153.0	153.0	124.8	96.6	68.4	143.0	19.0	143.0	143.0	143.0	114.5	85.9	57.3				
57		155.4	17.1	155.4	155.4	155.4	127.2	99.0	70.8	144.0	18.8	144.0	144.0	144.0	115.5	86.9	58.3				

¹ These capacities are gross ratings. For net capacity, deduct supply air blower motor, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

² These ratings include the condenser fan motors and the compressor motors but not the supply air blower motor.

YJ-15 / NJ-20

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh) ¹						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh) ¹					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
4500	77	213.8	12.1	109.1	89.8	70.5	-	-	-	212.3	13.3	108.9	89.6	70.3	-	-	-
	72	201.0	11.8	136.0	116.7	97.4	78.1	-	-	197.9	13.0	134.7	115.4	96.1	76.9	-	-
	67	188.1	11.5	162.8	143.5	124.2	104.9	85.6	-	183.4	12.7	160.6	141.3	122.0	102.7	83.4	-
	62	171.4	11.3	171.4	168.3	149.0	129.7	110.4	91.1	166.5	12.5	166.5	164.9	145.6	126.3	107.0	87.7
	57	175.2	11.3	175.2	175.2	157.4	138.1	118.8	99.5	168.8	12.5	168.8	168.8	151.2	131.9	112.6	93.3
5250	77	220.6	12.2	120.2	98.1	76.0	-	-	-	219.0	13.4	120.0	97.9	75.8	-	-	-
	72	207.3	11.9	149.2	127.0	104.9	82.8	-	-	204.1	13.1	147.9	125.8	103.7	81.6	-	-
	67	194.1	11.6	178.1	156.0	133.8	111.7	89.6	-	189.2	12.8	175.9	153.7	131.6	109.5	87.4	-
	62	176.8	11.4	176.8	175.2	160.5	138.7	116.3	94.2	171.8	12.6	171.8	170.9	157.1	134.9	112.8	90.7
	57	180.7	11.4	180.7	180.7	169.6	148.2	125.4	103.2	174.1	12.5	174.1	174.1	163.1	141.0	118.8	96.7
6000	77	227.3	12.3	131.3	106.4	81.5	-	-	-	225.7	13.5	131.2	106.3	81.3	-	-	-
	72	213.6	12.0	162.3	137.4	112.5	87.5	-	-	210.4	13.2	161.2	136.2	111.3	86.4	-	-
	67	200.0	11.7	193.3	168.4	143.5	118.5	93.6	-	195.0	12.9	191.1	166.2	141.2	116.3	91.4	-
	62	182.2	11.5	182.2	182.2	172.1	147.8	122.2	97.3	177.0	12.7	177.0	177.0	168.5	143.6	118.7	93.7
	57	186.3	11.5	186.3	186.3	181.8	158.2	132.0	107.0	179.5	12.6	179.5	179.5	175.0	150.0	125.1	100.2
6750	72	217.5	12.1	172.8	145.5	118.2	90.9	-	-	213.5	13.3	171.4	144.1	116.9	89.6	-	-
	67	203.6	11.8	200.3	178.1	150.8	123.5	96.2	-	197.9	13.0	196.0	175.6	148.3	121.1	93.8	-
	62	185.5	11.6	185.5	185.5	180.5	153.5	125.9	98.6	179.7	12.7	179.7	179.7	175.4	148.2	120.9	93.6
	57	189.6	11.5	189.6	189.6	187.4	160.8	132.8	105.6	182.2	12.7	182.2	182.2	179.9	152.7	125.4	98.1
	7500	72	221.4	12.2	183.2	153.5	123.9	94.3	-	-	216.7	13.3	181.7	152.1	122.5	92.8	-
67		207.3	11.9	207.3	187.7	158.1	128.4	98.8	-	200.9	13.0	200.9	185.0	155.4	125.8	96.2	-
62		188.8	11.6	188.8	188.8	188.8	159.2	129.5	99.9	182.4	12.8	182.4	182.4	182.4	152.8	123.1	93.5
57		193.0	11.6	193.0	193.0	193.0	163.4	133.7	104.1	184.9	12.8	184.9	184.9	184.9	155.3	125.7	96.1
		95°F								105°F							
4500	77	210.9	14.5	108.6	89.3	70.0	-	-	-	205.7	16.4	106.6	87.3	68.0	-	-	-
	72	194.8	14.2	133.5	114.2	94.9	75.7	-	-	190.4	16.0	131.6	112.3	93.1	73.8	-	-
	67	178.7	13.9	158.4	139.1	119.8	100.6	81.3	-	175.1	15.6	156.7	137.4	118.1	98.9	79.6	-
	62	161.6	13.6	161.6	161.5	142.2	122.9	103.6	84.4	157.3	15.3	157.3	157.2	139.1	119.9	100.6	81.3
	57	162.4	13.6	162.4	162.4	144.9	125.7	106.4	87.1	159.4	15.3	159.4	159.4	142.1	122.8	103.6	84.3
5250	77	217.5	14.6	119.8	97.7	75.6	-	-	-	212.5	16.5	118.4	95.7	73.6	-	-	-
	72	200.9	14.3	146.7	124.6	102.5	80.4	-	-	196.6	16.1	144.9	122.8	100.7	78.6	-	-
	67	184.4	14.0	173.6	151.5	129.4	107.3	85.2	-	180.8	15.8	171.3	149.9	127.8	105.7	83.6	-
	62	166.7	13.7	166.7	166.7	153.6	131.2	109.4	87.2	162.5	15.4	162.5	162.4	150.5	128.3	106.3	84.2
	57	167.5	13.7	167.5	167.5	156.5	133.8	112.3	90.2	164.7	15.4	164.7	164.7	153.7	131.3	109.5	87.4
6000	77	224.2	14.7	131.1	106.2	81.2	-	-	-	219.2	16.6	130.3	104.1	79.1	-	-	-
	72	207.1	14.4	160.0	135.0	110.1	85.2	-	-	202.9	16.2	158.2	133.2	108.3	83.4	-	-
	67	190.0	14.1	188.9	163.9	139.0	114.1	89.1	-	186.6	15.9	186.0	162.4	137.5	112.5	87.6	-
	62	171.8	13.8	171.8	171.8	164.9	139.4	115.1	90.1	167.6	15.5	167.6	167.6	161.9	136.7	112.0	87.1
	57	172.7	13.8	172.7	172.7	168.1	141.8	118.3	93.3	169.9	15.5	169.9	169.9	165.3	139.7	115.5	90.6
6750	72	209.6	14.4	170.1	142.8	115.6	88.3	-	-	205.0	16.3	168.2	140.9	113.7	86.4	-	-
	67	192.3	14.2	191.7	173.1	145.9	118.6	91.4	-	188.5	15.9	188.2	171.5	144.3	117.0	89.7	-
	62	173.9	13.9	173.9	173.9	170.4	142.9	115.9	88.7	169.4	15.5	169.4	169.4	166.5	139.1	112.0	84.8
	57	174.7	13.9	174.7	174.7	172.4	144.5	117.9	90.7	171.7	15.5	171.7	171.7	169.4	141.8	114.9	87.6
	7500	72	212.0	14.5	180.2	150.6	121.0	91.4	-	-	207.1	16.3	178.2	148.6	119.0	89.4	-
67		194.5	14.2	194.5	182.3	152.8	123.2	93.6	-	190.5	15.9	190.5	180.6	151.0	121.5	91.9	-
62		175.9	13.9	175.9	175.9	175.9	146.3	116.8	87.2	171.2	15.5	171.2	171.2	171.2	141.6	112.0	82.4
57		176.8	13.9	176.8	176.8	176.8	147.2	117.6	88.0	173.5	15.5	173.5	173.5	173.5	143.9	114.3	84.7

YJ-15 / NJ-20 (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil																			
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh) ¹						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh) ¹									
				Return Dry Bulb (°F)								Return Dry Bulb (°F)									
				90	85	80	75	70	65			90	85	80	75	70	65				
		115°F										125°F									
4500	77	200.6	18.3	104.5	85.3	66.0	-	-	-	195.5	20.2	102.5	83.2	64.0	-	-	-				
	72	186.0	17.8	129.7	110.5	91.2	72.0	-	-	181.6	19.6	127.9	108.6	89.4	70.1	-	-				
	67	171.4	17.4	154.9	135.7	116.4	97.2	77.9	-	167.7	19.1	153.2	134.0	114.7	95.5	76.3	-				
	62	153.0	16.9	153.0	153.0	136.1	116.8	97.6	78.3	148.7	18.5	148.7	148.7	133.0	113.8	94.5	75.3				
	57	156.4	16.9	156.4	156.4	139.2	120.0	100.7	81.5	153.5	18.5	153.5	153.5	136.4	117.1	97.9	78.7				
5250	77	207.4	18.4	117.0	93.6	71.5	-	-	-	202.4	20.4	115.6	91.6	69.5	-	-	-				
	72	192.3	18.0	143.0	120.9	98.9	76.8	-	-	188.1	19.8	141.2	119.1	97.0	75.0	-	-				
	67	177.2	17.5	169.0	148.3	126.2	104.1	82.0	-	173.7	19.2	166.7	146.6	124.6	102.5	80.4	-				
	62	158.2	17.0	158.2	158.2	147.5	125.4	103.3	81.2	154.0	18.7	154.0	154.0	144.4	122.5	100.2	78.2				
	57	161.8	17.0	161.8	161.8	150.9	128.8	106.7	84.6	158.9	18.7	158.9	158.9	148.1	126.3	103.9	81.9				
6000	77	214.3	18.6	129.6	102.0	77.1	-	-	-	209.4	20.5	128.8	99.9	75.0	-	-	-				
	72	198.7	18.1	156.3	131.4	106.5	81.6	-	-	194.5	20.0	154.5	129.6	104.7	79.8	-	-				
	67	183.1	17.6	183.1	160.9	135.9	111.0	86.1	-	179.7	19.4	179.7	159.3	134.4	109.5	84.6	-				
	62	163.5	17.1	163.5	163.5	158.8	133.9	109.0	84.1	159.3	18.8	159.3	159.3	155.8	131.2	106.0	81.1				
	57	167.1	17.1	167.1	167.1	162.6	137.6	112.7	87.8	164.4	18.8	164.4	164.4	159.8	135.5	110.0	85.1				
6750	72	200.5	18.1	166.3	139.0	111.8	84.5	-	-	196.0	19.9	164.4	137.1	109.8	82.6	-	-				
	67	184.7	17.6	184.7	169.9	142.6	115.4	88.1	-	181.0	19.4	181.0	168.3	141.0	113.8	86.5	-				
	62	164.9	17.1	164.9	164.9	162.6	135.4	108.1	80.8	160.4	18.8	160.4	160.4	158.7	131.6	104.2	76.9				
	57	168.6	17.1	168.6	168.6	166.3	139.1	111.8	84.6	165.6	18.8	165.6	165.6	163.3	136.4	108.8	81.5				
7500	72	202.3	18.1	176.2	146.6	117.0	87.4	-	-	197.4	19.9	174.2	144.6	115.0	85.4	-	-				
	67	186.4	17.6	186.4	178.9	149.3	119.7	90.1	-	182.3	19.3	182.3	177.2	147.6	118.0	88.4	-				
	62	166.4	17.1	166.4	166.4	166.4	136.8	107.2	77.6	161.6	18.7	161.6	161.6	161.6	132.0	102.4	72.8				
	57	170.1	17.1	170.1	170.1	170.1	140.5	110.9	81.3	166.8	18.7	166.8	166.8	166.8	137.2	107.6	78.0				

¹ These capacities are gross ratings. For net capacity, deduct supply air blower motor, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

² These ratings include the condenser fan motors and the compressor motors but not the supply air blower motor.

YH-20 / NH-20

Air on Evaporator Coil		Temperature of Air on Condenser Coil																	
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)							
				Return Dry Bulb (°F)								Return Dry Bulb (°F)							
				90	85	80	75	70	65			90	85	80	75	70	65		
		75°F									85°F								
6000	77	286.3	15.3	136.1	113.4	90.6	-	-	-	280.0	16.9	131.5	108.2	84.9	-	-	-		
	72	267.4	14.8	169.4	146.7	123.9	101.2	-	-	260.2	16.5	166.3	143.0	119.7	96.4	-	-		
	67	248.5	14.4	202.7	180.0	157.2	134.5	111.7	-	240.5	16.1	201.0	177.7	154.4	131.1	107.8	-		
	62	228.9	14.1	228.9	216.8	194.0	171.3	148.5	125.8	223.4	15.7	223.4	213.8	190.5	167.2	143.9	120.6		
	57	227.5	14.0	227.5	227.5	205.1	182.4	159.6	136.9	220.8	15.7	220.8	220.8	201.8	178.5	155.2	131.9		
7000	77	296.6	15.4	148.2	122.8	97.4	-	-	-	287.9	17.0	143.1	117.2	91.3	-	-	-		
	72	277.0	14.9	184.0	158.6	133.2	107.8	-	-	267.6	16.6	180.5	154.5	128.6	102.7	-	-		
	67	257.5	14.5	219.8	194.4	169.0	143.6	118.3	-	247.4	16.1	217.8	191.9	165.9	140.0	114.1	-		
	62	237.1	14.2	237.1	231.1	208.6	184.8	157.8	132.4	229.7	15.8	229.7	224.9	204.7	178.7	152.8	126.9		
	57	235.7	14.1	235.7	235.7	220.5	197.5	169.7	144.3	227.0	15.8	227.0	227.0	216.9	190.9	165.0	139.0		
8000	77	306.9	15.5	160.3	132.3	104.2	-	-	-	295.8	17.1	154.7	126.2	97.6	-	-	-		
	72	286.6	15.0	198.6	170.6	142.5	114.5	-	-	275.0	16.7	194.7	166.1	137.5	108.9	-	-		
	67	266.4	14.6	236.9	208.9	180.8	152.8	124.8	-	254.2	16.2	234.6	206.0	177.4	148.8	120.3	-		
	62	245.4	14.3	245.4	245.4	223.1	198.3	167.1	139.0	236.1	15.9	236.1	236.1	218.8	190.3	161.7	133.1		
	57	243.8	14.2	243.8	243.8	235.9	212.7	179.8	151.8	233.3	15.9	233.3	233.3	231.9	203.3	174.7	146.2		
9000	72	296.2	15.1	209.5	179.3	149.0	118.8	-	-	282.3	16.7	205.3	174.3	143.2	112.2	-	-		
	67	275.2	14.7	251.9	219.4	189.1	158.9	128.6	-	261.0	16.3	246.8	215.8	184.8	153.8	122.8	-		
	62	253.5	14.4	253.5	253.5	233.4	204.7	172.9	142.6	242.4	15.9	242.4	242.4	228.0	197.0	165.9	134.9		
	57	251.9	14.3	251.9	251.9	248.0	220.1	187.5	157.2	239.5	15.9	239.5	239.5	238.8	207.8	176.8	145.8		
	10000	72	305.7	15.2	220.5	188.0	155.6	123.1	-	-	289.7	16.8	215.9	182.4	149.0	115.5	-	-	
67		284.0	14.8	266.9	229.9	197.4	165.0	132.5	-	267.7	16.3	259.1	225.7	192.2	158.8	125.3	-		
62		261.7	14.5	261.7	261.7	243.6	211.1	178.7	146.2	248.7	16.0	248.7	248.7	237.1	203.7	170.2	136.8		
57		260.0	14.4	260.0	260.0	260.0	227.6	195.1	162.7	245.7	16.0	245.7	245.7	245.7	212.3	178.8	145.4		
		95°F									105°F								
6000	77	273.6	18.5	126.9	103.1	79.2	-	-	-	259.0	21.0	123.8	99.6	75.3	-	-	-		
	72	253.1	18.1	163.1	139.3	115.4	91.6	-	-	239.6	20.4	159.8	135.6	111.3	87.1	-	-		
	67	232.5	17.7	199.3	175.5	151.6	127.8	103.9	-	220.3	19.9	195.8	171.6	147.4	123.1	98.9	-		
	62	217.9	17.3	217.9	210.8	186.9	163.1	139.2	115.4	205.1	19.5	205.1	201.5	182.5	158.3	134.0	109.8		
	57	214.0	17.4	214.0	214.0	198.6	174.7	150.9	127.0	204.2	19.6	204.2	204.2	186.7	162.4	138.2	114.0		
7000	77	279.2	18.6	138.0	111.6	85.1	-	-	-	264.6	21.0	137.3	108.0	81.0	-	-	-		
	72	258.2	18.2	176.9	150.4	123.9	97.5	-	-	244.8	20.5	173.8	146.8	119.7	92.7	-	-		
	67	237.3	17.8	215.8	189.3	162.8	136.3	109.9	-	225.0	20.0	210.4	185.5	158.5	131.4	104.4	-		
	62	222.3	17.4	222.3	218.8	200.7	172.6	147.8	121.3	209.5	19.5	209.5	207.7	196.3	168.4	142.2	115.1		
	57	218.4	17.5	218.4	218.4	213.2	184.3	160.3	133.8	208.6	19.6	208.6	208.6	200.7	172.5	146.6	119.6		
8000	77	284.7	18.7	149.2	120.1	90.9	-	-	-	270.2	21.1	150.8	116.5	86.7	-	-	-		
	72	263.4	18.3	190.7	161.6	132.5	103.4	-	-	250.0	20.6	187.8	158.0	128.1	98.2	-	-		
	67	242.0	17.9	232.2	203.1	174.0	144.9	115.8	-	229.8	20.0	224.9	199.4	169.6	139.7	109.8	-		
	62	226.8	17.5	226.8	226.8	214.5	182.2	156.3	127.2	213.9	19.6	213.9	213.9	210.0	178.5	150.3	120.4		
	57	222.7	17.5	222.7	222.7	227.9	193.9	169.6	140.5	213.0	19.7	213.0	213.0	214.8	182.5	155.0	125.2		
9000	72	268.5	18.3	201.0	169.2	137.4	105.7	-	-	255.2	20.7	198.4	166.0	133.5	101.1	-	-		
	67	246.7	17.9	241.8	212.3	180.5	148.7	117.0	-	234.6	20.1	232.1	209.2	176.8	144.3	111.9	-		
	62	231.2	17.5	231.2	231.2	222.6	189.2	159.0	127.2	218.4	19.7	218.4	218.4	215.2	181.9	150.3	117.8		
	57	227.1	17.5	227.1	227.1	229.6	195.4	166.1	134.3	217.5	19.8	217.5	217.5	218.3	184.7	153.4	121.0		
	10000	72	273.6	18.3	211.3	176.8	142.4	108.0	-	-	260.4	20.7	209.0	174.0	139.0	104.0	-	-	
67		251.4	17.9	251.4	221.5	187.0	152.6	118.2	-	239.3	20.2	239.3	219.0	184.0	148.9	113.9	-		
62		235.6	17.5	235.6	235.6	230.6	196.2	161.7	127.3	222.8	19.8	222.8	222.8	220.3	185.3	150.3	115.2		
57		231.4	17.5	231.4	231.4	231.4	196.9	162.5	128.1	221.9	19.9	221.9	221.9	221.9	186.9	151.8	116.8		

YH-20 / NH-20 (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil																			
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)									
				Return Dry Bulb (°F)								Return Dry Bulb (°F)									
				90	85	80	75	70	65			90	85	80	75	70	65				
		115°F										125°F									
6000	77	244.4	23.4	120.7	96.0	71.4	-	-	-	229.9	25.9	117.5	92.5	67.5	-	-	-				
	72	226.2	22.8	156.5	131.9	107.2	82.6	-	-	212.8	25.1	153.2	128.2	103.2	78.1	-	-				
	67	208.0	22.1	192.4	167.7	143.1	118.5	93.8	-	195.7	24.3	188.9	163.9	138.9	113.8	88.8	-				
	62	192.2	21.6	192.2	192.2	178.1	153.5	128.8	104.2	179.4	23.8	179.4	179.4	173.7	148.6	123.6	98.6				
	57	194.4	21.8	194.4	194.4	174.8	150.2	125.5	100.9	184.6	23.9	184.6	184.6	162.9	137.9	112.9	87.8				
7000	77	250.0	23.5	136.5	104.5	76.9	-	-	-	235.5	25.9	135.8	101.0	72.8	-	-	-				
	72	231.4	22.8	170.8	143.1	115.5	87.9	-	-	218.0	25.1	167.7	139.5	111.3	83.1	-	-				
	67	212.8	22.1	205.0	181.7	154.1	126.5	98.9	-	200.5	24.3	199.6	178.0	149.8	121.6	93.4	-				
	62	196.7	21.7	196.7	196.7	191.8	164.2	136.5	108.9	183.8	23.8	183.8	183.8	183.8	159.9	130.9	102.7				
	57	198.9	21.8	198.9	198.9	188.3	160.6	133.0	105.4	189.1	24.0	189.1	189.1	175.8	148.8	119.4	91.2				
8000	77	255.7	23.5	152.4	113.0	82.4	-	-	-	241.1	25.9	154.0	109.5	78.1	-	-	-				
	72	236.6	22.8	185.0	154.4	123.7	93.1	-	-	223.2	25.1	182.1	150.8	119.4	88.0	-	-				
	67	217.6	22.2	217.6	195.7	165.1	134.5	103.9	-	205.3	24.3	205.3	192.1	160.7	129.3	97.9	-				
	62	201.1	21.7	201.1	201.1	205.5	174.9	144.3	113.6	188.2	23.9	188.2	188.2	188.2	171.2	138.2	106.9				
	57	203.3	21.8	203.3	203.3	201.7	171.1	140.5	109.8	193.6	24.0	193.6	193.6	188.6	159.7	125.9	94.5				
9000	72	241.9	23.0	195.9	162.8	129.7	96.5	-	-	228.6	25.4	193.3	159.5	125.8	92.0	-	-				
	67	222.4	22.3	222.4	206.1	173.0	139.9	106.8	-	210.3	24.6	210.3	203.0	169.3	135.5	101.7	-				
	62	205.6	21.9	205.6	205.6	207.8	174.6	141.5	108.4	192.7	24.1	192.7	192.7	192.7	167.4	132.8	99.0				
	57	207.9	22.0	207.9	207.9	207.0	173.9	140.8	107.7	198.3	24.2	198.3	198.3	195.8	163.2	128.2	94.4				
10000	72	247.2	23.2	206.8	171.2	135.6	100.0	-	-	233.9	25.6	204.5	168.3	132.1	95.9	-	-				
	67	227.3	22.5	227.3	216.5	180.9	145.3	109.7	-	215.2	24.8	215.2	214.0	177.8	141.6	105.4	-				
	62	210.0	22.0	210.0	210.0	210.0	174.4	138.8	103.2	197.3	24.3	197.3	197.3	197.3	163.5	127.4	91.2				
	57	212.4	22.2	212.4	212.4	212.4	176.8	141.2	105.6	202.9	24.5	202.9	202.9	202.9	166.7	130.5	94.3				

¹ These capacities are gross ratings. For net capacity, deduct supply air blower motor, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

² These ratings include the condenser fan motors and the compressor motors but not the supply air blower motor.

YJ-20 / Two NH-10

Air on Evaporator Coil		Temperature of Air on Condenser Coil																	
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh) ¹						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh) ¹							
				Return Dry Bulb (°F)								Return Dry Bulb (°F)							
				90	85	80	75	70	65			90	85	80	75	70	65		
		75°F									85°F								
6000	77	268.6	15.0	134.0	111.2	88.5	-	-	-	270.6	16.5	131.5	108.7	85.9	-	-	-		
	72	253.5	14.6	166.7	144.0	121.3	98.6	-	-	252.1	16.1	164.6	141.8	119.0	96.1	-	-		
	67	238.3	14.2	199.5	176.8	154.1	131.3	108.6	-	233.6	15.7	197.6	174.8	152.0	129.2	106.4	-		
	62	214.5	13.9	214.5	210.2	187.4	164.7	142.0	119.3	213.4	15.4	213.4	208.2	185.4	162.6	139.8	117.0		
	57	213.5	13.9	213.5	216.8	196.1	173.3	150.6	127.9	212.8	15.4	212.8	212.8	190.9	168.1	145.3	122.5		
7000	77	280.9	15.1	145.1	119.6	94.1	-	-	-	280.0	16.6	142.7	117.1	91.5	-	-	-		
	72	265.0	14.7	179.9	154.5	129.0	103.5	-	-	260.9	16.2	177.9	152.3	126.7	101.1	-	-		
	67	249.1	14.3	214.8	189.3	163.9	138.4	112.9	-	241.8	15.8	213.1	187.5	161.9	136.3	110.7	-		
	62	224.2	14.0	224.2	222.1	199.4	174.6	148.4	123.0	220.8	15.5	220.8	218.2	197.5	171.9	146.3	120.7		
	57	223.1	14.0	223.1	224.8	208.6	184.1	157.6	132.2	220.2	15.5	220.2	220.2	203.4	177.8	152.2	126.6		
8000	77	293.1	15.2	156.2	128.0	99.8	-	-	-	289.4	16.7	153.9	125.5	97.1	-	-	-		
	72	276.4	14.8	193.1	164.9	136.7	108.5	-	-	269.6	16.3	191.2	162.8	134.5	106.1	-	-		
	67	259.8	14.4	230.1	201.9	173.7	145.5	117.3	-	249.9	16.0	228.6	200.2	171.8	143.4	115.1	-		
	62	234.0	14.1	234.0	234.0	211.3	184.5	154.9	126.7	228.2	15.6	228.2	228.2	209.6	181.2	152.8	124.4		
	57	232.8	14.1	232.8	232.8	221.0	194.8	164.6	136.4	227.5	15.6	227.5	227.5	215.8	187.4	159.1	130.7		
9000	72	278.2	14.9	206.2	175.3	144.3	113.4	-	-	274.3	16.4	204.4	173.3	142.2	111.2	-	-		
	67	261.5	14.5	246.7	214.3	183.3	152.4	121.5	-	254.2	16.0	243.6	212.8	181.8	150.7	119.6	-		
	62	235.5	14.2	235.5	235.5	223.0	192.8	161.2	130.2	232.2	15.7	232.2	232.2	221.7	190.6	159.5	128.5		
	57	234.3	14.1	234.3	234.3	228.4	198.5	166.5	135.6	231.5	15.7	231.5	231.5	225.6	194.6	163.5	132.4		
10000	72	280.0	15.0	219.3	185.6	151.9	118.3	-	-	279.0	16.5	217.5	183.8	150.0	116.3	-	-		
	67	263.2	14.6	263.2	226.7	193.0	159.3	125.6	-	258.6	16.1	258.6	225.5	191.7	158.0	124.2	-		
	62	236.9	14.2	236.9	236.9	234.8	201.1	167.4	133.8	236.1	15.8	236.1	236.1	233.8	200.1	166.3	132.6		
	57	235.7	14.2	235.7	235.7	235.7	202.1	168.4	134.7	235.4	15.8	235.4	235.4	235.4	201.7	167.9	134.2		
		95°F									105°F								
6000	77	272.5	18.0	129.1	106.2	83.3	-	-	-	233.1	17.0	161.4	149.9	138.5	-	-	-		
	72	250.7	17.6	162.4	139.5	116.6	93.7	-	-	228.1	18.4	184.0	172.5	153.8	131.0	-	-		
	67	228.9	17.3	195.8	172.9	150.0	127.1	104.2	-	223.1	19.7	193.2	170.4	147.5	124.7	101.9	-		
	62	212.2	17.0	212.2	206.2	183.3	160.5	137.6	114.7	206.1	19.3	206.1	203.1	186.5	163.7	140.8	118.0		
	57	212.1	17.0	212.1	208.7	185.8	162.9	140.0	117.2	197.7	19.2	197.7	196.1	184.6	161.8	138.9	116.1		
7000	77	279.1	18.1	140.3	114.6	88.8	-	-	-	243.8	17.2	183.8	164.3	144.9	-	-	-		
	72	256.8	17.7	175.9	150.1	124.4	98.7	-	-	239.1	18.5	194.4	175.0	151.9	126.8	-	-		
	67	234.5	17.4	211.5	185.7	160.0	134.3	108.5	-	234.3	19.9	198.4	173.3	148.2	123.0	97.9	-		
	62	217.3	17.1	217.3	214.3	195.6	169.1	144.1	118.4	216.4	19.5	213.5	205.4	186.9	161.4	136.6	111.5		
	57	217.2	17.1	217.2	215.5	198.2	171.5	146.8	121.0	207.4	19.4	207.4	206.5	195.0	169.3	144.7	119.6		
8000	77	285.6	18.2	151.5	123.0	94.4	-	-	-	254.6	17.3	206.2	178.8	151.3	-	-	-		
	72	262.8	17.8	189.3	160.8	132.2	103.6	-	-	250.0	18.7	204.9	177.5	150.1	122.6	-	-		
	67	240.0	17.5	227.2	198.6	170.0	141.4	112.8	-	245.4	20.0	203.7	176.2	148.8	121.4	93.9	-		
	62	222.4	17.2	222.4	222.4	207.8	177.8	150.7	122.1	226.7	19.7	220.9	207.8	187.3	159.1	132.4	105.0		
	57	222.3	17.2	222.3	222.3	210.6	180.1	153.5	124.9	217.0	19.6	217.0	217.0	205.4	176.9	150.5	123.0		
9000	72	270.4	17.9	202.6	171.4	140.1	108.9	-	-	258.5	18.8	220.4	198.2	172.7	142.1	-	-		
	67	246.9	17.6	240.5	211.4	180.2	149.0	117.8	-	253.9	20.1	228.3	198.7	168.1	137.5	106.9	-		
	62	228.9	17.2	228.9	228.9	220.3	188.4	157.9	126.7	234.5	19.8	231.6	225.0	212.1	181.2	150.9	120.3		
	57	228.7	17.2	228.7	228.7	222.9	190.7	160.5	129.3	224.4	19.6	224.4	224.4	218.6	187.5	157.4	126.8		
10000	72	278.0	18.0	215.8	181.9	148.1	114.3	-	-	267.0	18.8	235.9	219.0	195.4	161.7	-	-		
	67	253.9	17.6	253.9	224.3	190.5	156.6	122.8	-	262.3	20.2	252.9	221.2	187.5	153.7	119.9	-		
	62	235.3	17.3	235.3	235.3	232.8	199.0	165.2	131.4	242.2	19.8	242.2	242.2	237.0	203.2	169.4	135.6		
	57	235.1	17.3	235.1	235.1	235.1	201.3	167.5	133.7	231.8	19.7	231.8	231.8	231.8	198.0	164.3	130.5		

YJ-20 / Two NH-10 (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil																	
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh) ¹						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh) ¹							
				Return Dry Bulb (°F)								Return Dry Bulb (°F)							
				90	85	80	75	70	65			90	85	80	75	70	65		
		115°F									125°F								
6000	77	193.7	16.1	193.7	193.7	193.7	-	-	-	154.3	15.2	154.3	154.3	154.3	-	-	-		
	72	205.5	19.1	205.5	205.5	190.9	168.2	-	-	182.9	19.8	182.9	182.9	182.9	182.9	-	-		
	67	217.3	22.1	190.7	167.9	145.1	122.3	99.5	-	211.5	24.5	188.1	165.4	142.6	119.9	97.2	-		
	62	200.0	21.7	200.0	200.0	189.6	166.9	144.1	121.3	194.0	24.1	194.0	194.0	192.8	170.1	147.3	124.6		
	57	183.4	21.4	183.4	183.4	183.4	160.6	137.8	115.1	169.1	23.7	169.1	169.1	169.1	159.4	136.7	114.0		
7000	77	208.6	16.3	227.3	214.1	201.0	-	-	-	173.4	15.4	173.4	173.4	173.4	-	-	-		
	72	221.4	19.3	213.0	199.9	179.4	154.9	-	-	203.6	20.1	203.6	203.6	203.6	183.0	-	-		
	67	234.1	22.3	185.4	160.9	136.4	111.8	87.3	-	233.9	24.8	172.4	148.5	124.5	100.6	76.6	-		
	62	215.5	22.0	209.7	196.6	178.2	153.7	129.1	104.6	214.5	24.5	205.9	187.7	169.5	145.9	121.6	97.7		
	57	197.5	21.7	197.5	197.5	191.7	167.2	142.7	118.1	187.7	24.0	187.7	187.7	187.7	165.1	140.6	116.7		
8000	77	223.6	16.5	260.9	234.6	208.3	-	-	-	192.5	15.7	192.5	192.5	192.5	-	-	-		
	72	237.2	19.6	220.5	194.2	167.9	141.6	-	-	224.4	20.4	224.4	211.0	185.8	160.6	-	-		
	67	250.9	22.6	180.2	153.9	127.6	101.3	75.0	-	256.3	25.2	156.8	131.6	106.4	81.2	56.1	-		
	62	230.9	22.3	219.4	193.1	166.8	140.5	114.2	87.9	235.1	24.8	217.9	178.4	146.3	121.8	95.9	70.8		
	57	211.7	22.0	211.7	211.7	200.1	173.8	147.5	121.2	206.4	24.4	206.4	206.4	194.8	170.7	144.5	119.3		
9000	72	246.6	19.6	238.3	225.1	205.3	175.3	-	-	234.7	20.5	234.7	234.7	234.7	208.5	-	-		
	67	260.8	22.7	216.1	186.0	156.0	126.0	96.0	-	267.7	25.2	203.8	173.3	143.9	114.5	85.1	-		
	62	240.1	22.3	234.3	221.1	203.9	173.9	143.9	113.9	245.6	24.9	237.0	217.3	195.7	166.7	136.9	107.5		
	57	220.1	22.0	220.1	220.1	214.3	184.3	154.3	124.3	215.8	24.4	215.8	215.8	210.0	181.1	151.2	121.7		
10000	72	256.0	19.6	256.0	256.0	242.8	209.0	-	-	245.0	20.5	245.0	245.0	245.0	245.0	-	-		
	67	270.8	22.7	251.9	218.2	184.5	150.7	117.0	-	279.2	25.3	250.9	215.1	181.5	147.8	114.1	-		
	62	249.2	22.4	249.2	249.2	241.1	207.4	173.7	139.9	256.2	24.9	256.2	256.2	245.2	211.6	177.9	144.2		
	57	228.5	22.1	228.5	228.5	228.5	194.8	161.0	127.3	225.1	24.4	225.1	225.1	225.1	191.5	157.8	124.2		

¹ These capacities are gross ratings. For net capacity, deduct supply air blower motor, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

² These ratings include the condenser fan motors and the compressor motors but not the supply air blower motor.

YJ-20 / NJ-20

Air on Evaporator Coil		Temperature of Air on Condenser Coil																	
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)							
				Return Dry Bulb (°F)								Return Dry Bulb (°F)							
				90	85	80	75	70	65			90	85	80	75	70	65		
		75°F									85°F								
6000	77	292.8	14.7	136.9	111.9	87.0	-	-	-	284.3	16.4	135.2	110.2	85.1	-	-	-		
	72	272.9	14.4	174.4	149.4	124.5	99.5	-	-	263.5	16.1	171.7	146.7	121.7	96.6	-	-		
	67	253.0	14.0	211.9	186.9	162.0	137.0	112.0	-	242.6	15.8	208.2	183.2	158.2	133.2	108.1	-		
	62	231.8	13.8	231.8	220.2	195.2	170.2	145.2	120.2	225.5	15.5	225.5	219.3	194.3	169.2	144.2	119.2		
	57	224.6	13.7	224.6	224.6	207.1	182.1	157.1	132.1	219.3	15.5	219.3	219.3	201.5	176.5	151.5	126.5		
7000	77	302.2	14.8	149.9	121.7	93.5	-	-	-	292.0	16.5	147.3	119.2	91.1	-	-	-		
	72	281.7	14.5	190.2	162.0	133.8	105.6	-	-	270.5	16.2	186.4	158.3	130.2	102.2	-	-		
	67	261.1	14.2	230.5	202.3	174.1	145.9	117.7	-	249.1	15.9	225.5	197.4	169.3	141.3	113.2	-		
	62	239.3	13.9	239.3	233.5	209.9	182.9	153.5	125.3	231.5	15.6	231.5	228.4	208.0	179.9	151.8	123.8		
	57	231.8	13.9	231.8	231.8	222.6	196.1	166.2	138.0	225.2	15.6	225.2	225.2	215.7	187.7	159.6	131.5		
8000	77	311.7	14.9	162.8	131.4	100.0	-	-	-	299.6	16.6	159.4	128.2	97.1	-	-	-		
	72	290.5	14.6	206.0	174.5	143.1	111.7	-	-	277.6	16.3	201.0	169.9	138.8	107.7	-	-		
	67	269.3	14.3	249.1	217.7	186.2	154.8	123.4	-	255.6	16.0	242.7	211.6	180.5	149.4	118.3	-		
	62	246.8	14.0	246.8	246.8	224.5	195.6	161.7	130.3	237.6	15.7	237.6	237.6	221.7	190.5	159.4	128.3		
	57	239.1	14.0	239.1	239.1	238.1	210.2	175.3	143.9	231.1	15.7	231.1	231.1	229.9	198.8	167.7	136.6		
9000	72	299.4	14.9	217.9	184.4	150.9	117.3	-	-	284.7	16.6	212.0	178.6	145.2	111.7	-	-		
	67	277.5	14.6	267.1	229.8	196.3	162.8	129.3	-	262.2	16.3	255.6	222.1	188.7	155.3	121.9	-		
	62	254.3	14.3	254.3	254.3	236.8	204.5	169.7	136.2	243.7	16.0	243.7	243.7	231.8	198.4	165.0	131.5		
	57	246.4	14.2	246.4	246.4	245.9	214.1	178.9	145.4	237.0	16.0	237.0	237.0	236.4	203.0	169.6	136.2		
10000	72	308.2	15.2	229.9	194.2	158.6	123.0	-	-	291.8	16.9	222.9	187.2	151.5	115.8	-	-		
	67	285.7	14.8	285.0	242.0	206.4	170.8	135.2	-	268.7	16.5	268.4	232.7	197.0	161.3	125.6	-		
	62	261.9	14.6	261.9	261.9	249.0	213.4	177.7	142.1	249.7	16.3	249.7	249.7	241.9	206.2	170.5	134.8		
	57	253.7	14.5	253.7	253.7	253.7	218.1	182.5	146.9	242.9	16.3	242.9	242.9	242.9	207.2	171.5	135.8		
		95°F									105°F								
6000	77	275.8	18.1	133.4	108.4	83.3	-	-	-	262.8	20.3	129.8	104.7	79.5	-	-	-		
	72	254.0	17.8	169.0	143.9	118.8	93.8	-	-	242.0	20.1	164.8	139.7	114.6	89.5	-	-		
	67	232.2	17.5	204.5	179.5	154.4	129.3	104.3	-	221.1	19.8	199.8	174.7	149.6	124.5	99.4	-		
	62	219.1	17.2	219.1	218.4	193.3	168.3	143.2	118.2	208.7	19.6	208.7	208.3	185.8	160.7	135.6	110.5		
	57	214.1	17.3	214.1	214.1	196.0	170.9	145.9	120.8	205.0	19.6	205.0	205.0	186.2	161.1	136.0	110.9		
7000	77	281.7	18.2	144.7	116.7	88.8	-	-	-	268.8	20.4	144.0	113.4	85.3	-	-	-		
	72	259.4	17.9	182.5	154.6	126.7	98.7	-	-	247.4	20.1	179.0	150.9	122.8	94.7	-	-		
	67	237.1	17.6	220.4	192.5	164.6	136.6	108.7	-	226.1	19.9	214.1	188.4	160.3	132.2	104.1	-		
	62	223.7	17.3	223.7	223.4	206.1	176.9	150.2	122.3	213.4	19.7	213.4	213.2	199.1	170.4	142.9	114.8		
	57	218.6	17.4	218.6	218.6	208.9	179.2	153.0	125.1	209.7	19.7	209.7	209.7	199.6	170.6	143.4	115.2		
8000	77	287.5	18.3	155.9	125.1	94.3	-	-	-	274.7	20.5	158.2	122.1	91.0	-	-	-		
	72	264.8	18.0	196.1	165.3	134.5	103.7	-	-	252.9	20.2	193.2	162.1	131.0	99.9	-	-		
	67	242.0	17.7	236.3	205.5	174.7	143.9	113.1	-	231.1	19.9	228.3	202.2	171.1	140.0	108.8	-		
	62	228.4	17.4	228.4	228.4	218.8	185.5	157.2	126.4	218.1	19.7	218.1	218.1	212.5	180.1	150.3	119.1		
	57	223.1	17.4	223.1	223.1	221.8	187.5	160.1	129.3	214.3	19.8	214.3	214.3	212.9	180.1	150.7	119.6		
9000	72	270.1	18.3	206.1	172.7	139.4	106.1	-	-	258.4	20.5	202.9	169.4	136.0	102.5	-	-		
	67	246.9	18.0	244.1	214.5	181.1	147.8	114.5	-	236.1	20.2	234.7	211.0	177.5	144.1	110.6	-		
	62	233.0	17.7	233.0	233.0	226.8	192.3	160.2	126.9	222.8	20.0	222.8	222.8	219.3	185.2	152.4	118.9		
	57	227.6	17.7	227.6	227.6	226.9	191.9	160.3	127.0	218.9	20.0	218.9	218.9	218.2	183.9	151.3	117.8		
10000	72	275.4	18.6	216.0	180.2	144.4	108.6	-	-	263.8	20.8	212.6	176.7	140.9	105.1	-	-		
	67	251.8	18.2	251.8	223.4	187.6	151.8	116.0	-	241.1	20.5	241.1	219.8	184.0	148.2	112.3	-		
	62	237.6	18.0	237.6	237.6	234.9	199.1	163.3	127.5	227.5	20.3	227.5	227.5	226.1	190.3	154.5	118.6		
	57	232.1	18.0	232.1	232.1	232.1	196.3	160.5	124.7	223.6	20.3	223.6	223.6	223.6	187.7	151.9	116.1		

YJ-20 / NJ-20 (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil																			
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)									
				Return Dry Bulb (°F)								Return Dry Bulb (°F)									
				90	85	80	75	70	65			90	85	80	75	70	65				
		115°F										125°F									
6000	77	249.8	22.6	126.1	101.0	75.8	-	-	-	236.8	24.9	122.5	97.3	72.0	-	-	-				
	72	229.9	22.3	160.6	135.4	110.3	85.1	-	-	217.9	24.6	156.4	131.2	106.0	80.8	-	-				
	67	210.1	22.0	195.1	169.9	144.8	119.6	94.4	-	199.0	24.3	190.3	165.1	139.9	114.7	89.5	-				
	62	198.2	21.9	198.2	198.2	178.3	153.1	128.0	102.8	187.8	24.3	187.8	187.8	170.7	145.5	120.3	95.1				
	57	196.0	21.9	196.0	196.0	176.5	151.3	126.1	101.0	187.0	24.2	187.0	187.0	166.7	141.5	116.3	91.1				
7000	77	255.8	22.7	143.3	110.0	81.7	-	-	-	242.9	24.9	142.6	106.7	78.2	-	-	-				
	72	235.5	22.4	175.5	147.2	118.9	90.6	-	-	223.6	24.7	172.0	143.5	115.0	86.6	-	-				
	67	215.2	22.1	207.7	184.4	156.1	127.8	99.5	-	204.2	24.4	201.3	180.3	151.8	123.4	94.9	-				
	62	203.0	22.0	203.0	203.0	192.2	163.9	135.7	107.4	192.7	24.3	192.7	192.7	185.3	157.5	128.4	99.9				
	57	200.8	22.0	200.8	200.8	190.3	162.0	133.7	105.4	191.9	24.3	191.9	191.9	181.0	153.4	124.1	95.6				
8000	77	261.9	22.8	160.5	119.1	87.7	-	-	-	249.1	25.0	162.8	116.1	84.4	-	-	-				
	72	241.1	22.5	190.4	159.0	127.5	96.1	-	-	229.3	24.8	187.5	155.8	124.1	92.3	-	-				
	67	220.3	22.2	220.3	198.8	167.4	136.0	104.6	-	209.4	24.5	209.4	195.5	163.8	132.0	100.3	-				
	62	207.8	22.1	207.8	207.8	206.2	174.8	143.3	111.9	197.6	24.4	197.6	197.6	197.6	169.4	136.4	104.7				
	57	205.5	22.1	205.5	205.5	204.1	172.7	141.3	109.8	196.7	24.4	196.7	196.7	195.3	165.3	131.8	100.1				
9000	72	246.6	22.7	199.8	166.1	132.5	98.8	-	-	234.9	25.0	196.6	162.8	129.0	95.2	-	-				
	67	225.3	22.4	225.3	207.6	173.9	140.3	106.6	-	214.6	24.7	214.6	204.1	170.3	136.5	102.7	-				
	62	212.6	22.3	212.6	212.6	211.8	178.2	144.5	110.9	202.4	24.6	202.4	202.4	202.4	171.1	136.7	102.9				
	57	210.3	22.3	210.3	210.3	209.5	175.9	142.3	108.6	201.6	24.6	201.6	201.6	200.8	167.9	133.2	99.4				
10000	72	252.2	23.0	209.2	173.3	137.4	101.6	-	-	240.5	25.2	205.7	169.9	134.0	98.1	-	-				
	67	230.4	22.7	230.4	216.3	180.4	144.6	108.7	-	219.7	24.9	219.7	212.7	176.8	141.0	105.1	-				
	62	217.4	22.5	217.4	217.4	217.4	181.5	145.7	109.8	207.3	24.8	207.3	207.3	207.3	172.8	136.9	101.0				
	57	215.0	22.5	215.0	215.0	215.0	179.1	143.3	107.4	206.4	24.8	206.4	206.4	206.4	170.5	134.7	98.8				

¹ These capacities are gross ratings. For net capacity, deduct supply air blower motor, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

² These ratings include the condenser fan motors and the compressor motors but not the supply air blower motor.

Condenser Only Cooling Capacities

Condenser Only Ratings

Model	Suction Press. and Corresponding Temp.		Temperature of Air on Condenser Coil °F																	
			65			75			85			95			105			115		
	PSIG	°F	MBH	KW	EER	MBH	KW	EER	MBH	KW	EER	MBH	KW	EER	MBH	KW	EER	MBH	KW	EER
YH-07	108	35	78	4.8	16.1	75	5.3	14.2	72	5.8	12.4	68	6.5	10.3	61	7.6	8.1	55	8.6	6.4
	120	40	88	5.0	17.6	84	5.5	15.5	81	5.9	13.6	76	6.7	11.4	70	7.7	9.1	64	8.7	7.3
	131	45	98	5.1	19.1	94	5.6	16.7	89	6.1	14.7	85	6.8	12.4	79	7.8	10.0	72	8.9	8.2
	143	50	108	5.3	20.5	103	5.8	17.8	98	6.2	15.7	93	6.9	13.4	87	8.0	10.9	81	9.0	9.0
	157	55	118	5.4	21.8	112	5.9	18.9	107	6.4	16.7	102	7.1	14.4	96	8.1	11.8	90	9.2	9.8
YH-10	108	35	102	6.5	15.8	95	7.3	13.1	89	8.0	11.1	84	9.0	9.3	78	10.3	7.6	73	11.4	6.4
	120	40	120	6.6	18.1	111	7.4	15.1	104	8.2	12.8	97	9.1	10.6	90	10.4	8.7	84	11.5	7.3
	131	45	138	6.7	20.4	128	7.5	17.1	119	8.3	14.4	110	9.3	11.9	102	10.5	9.7	94	11.6	8.1
	143	50	155	6.9	22.6	145	7.6	19.0	134	8.4	16.0	123	9.4	13.2	114	10.6	10.8	105	11.7	8.9
	157	55	173	7.0	24.7	161	7.7	20.8	149	8.5	17.5	136	9.5	14.4	126	10.7	11.8	115	11.8	9.7
YJ-10	108	35	106	6.4	16.3	96	7.2	13.4	88	7.9	11.2	82	8.8	9.3	73	9.8	7.5	65	11.1	5.9
	120	40	120	6.5	18.4	111	7.3	15.2	103	8.0	12.8	95	9.0	10.5	85	10.0	8.5	78	11.3	6.9
	131	45	136	6.7	20.5	126	7.4	17.0	117	8.2	14.3	108	9.1	11.8	97	10.2	9.5	90	11.5	7.9
	143	50	152	6.8	22.5	142	7.5	18.7	132	8.3	15.8	120	9.3	13.0	109	10.4	10.5	103	11.6	8.8
	157	55	168	6.9	24.4	157	7.7	20.4	146	8.5	17.2	133	9.4	14.1	121	10.6	11.4	115	11.8	9.8
YH-12	108	35	190	8.2	23.2	190	9.1	20.8	113	9.8	11.5	105	11.1	9.5	102	12.4	8.2	98	13.8	7.1
	120	40	190	8.5	22.4	190	9.4	20.3	127	10.1	12.6	118	11.3	10.4	113	12.6	8.9	108	14.1	7.7
	131	45	190	8.8	21.7	190	9.6	19.8	140	10.3	13.6	131	11.5	11.3	123	12.8	9.6	118	14.4	8.2
	143	50	190	9.1	21.0	190	9.8	19.3	154	10.6	14.5	144	11.8	12.2	134	13.0	10.3	127	14.6	8.7
	157	55	190	9.3	20.3	190	10.1	18.9	168	10.9	15.4	156	12.0	13.0	145	13.2	10.9	137	14.9	9.2
YJ-12	108	35	132	8.4	15.7	124	9.2	13.5	119	9.9	11.9	109	11.0	9.9	103	12.4	8.3	94	13.6	6.9
	120	40	149	8.6	17.4	140	9.4	14.9	133	10.2	13.1	123	11.2	10.9	116	12.7	9.1	107	13.9	7.7
	131	45	166	8.7	19.0	156	9.6	16.3	148	10.4	14.2	136	11.5	11.8	128	13.0	9.9	119	14.3	8.3
	143	50	183	8.9	20.5	173	9.8	17.6	163	10.7	15.2	149	11.7	12.7	141	13.3	10.6	131	14.6	9.0
	157	55	200	9.1	21.9	189	10.0	18.8	177	10.9	16.2	163	12.0	13.6	153	13.5	11.3	144	14.9	9.6
YH-15	108	35	169	9.7	17.4	153	10.8	14.3	135	11.5	11.7	125	12.7	9.8	116	14.5	8.0	104	16.0	6.5
	120	40	184	10.1	18.2	170	11.0	15.4	154	11.9	13.0	142	13.0	10.9	133	14.8	9.0	121	16.4	7.4
	131	45	198	10.4	19.1	186	11.3	16.4	172	12.2	14.1	160	13.4	12.0	149	15.1	9.9	137	16.7	8.2
	143	50	213	10.7	19.8	203	11.6	17.5	191	12.6	15.2	178	13.7	13.0	166	15.4	10.7	153	17.0	9.0
	157	55	227	11.0	20.6	219	11.9	18.4	210	12.9	16.2	196	14.0	14.0	182	15.7	11.6	169	17.3	9.8
YJ-15	108	35	160	10.1	15.9	149	11.0	13.6	141	11.6	12.2	136	12.8	10.6	127	14.5	8.8	121	16.3	7.4
	120	40	179	10.2	17.6	168	11.2	15.0	158	11.9	13.3	151	13.1	11.5	141	14.8	9.5	133	16.6	8.0
	131	45	199	10.3	19.2	186	11.3	16.5	175	12.2	14.4	166	13.4	12.3	154	15.1	10.2	145	16.8	8.6
	143	50	218	10.5	20.8	205	11.5	17.8	192	12.5	15.4	180	13.8	13.1	168	15.4	10.9	157	17.1	9.2
	157	55	238	10.6	22.4	224	11.7	19.2	209	12.8	16.4	195	14.1	13.9	181	15.7	11.5	169	17.4	9.7
YH-20	108	35	215	12.5	17.2	200	13.6	14.7	185	14.8	12.5	171	16.3	10.5	155	18.2	8.5	139	19.7	7.0
	120	40	244	13.1	18.7	228	14.2	16.1	213	15.3	13.9	197	16.9	11.7	180	18.8	9.6	163	20.5	7.9
	131	45	274	13.6	20.1	257	14.8	17.4	240	15.9	15.2	223	17.4	12.8	204	19.4	10.5	186	21.2	8.8
	143	50	303	14.2	21.4	286	15.4	18.6	268	16.4	16.4	249	18.0	13.8	229	20.0	11.4	210	21.9	9.6
	157	55	332	14.8	22.5	315	15.9	19.7	296	17.0	17.5	275	18.6	14.8	253	20.6	12.3	233	22.6	10.3
YJ-20	108	35	210	12.4	17.0	196	13.6	14.3	184	15.1	12.2	173	16.7	10.4	157	18.9	8.3	137	21.2	6.5
	120	40	237	12.7	18.6	221	14.0	15.8	208	15.4	13.5	195	17.0	11.5	179	19.2	9.4	161	21.4	7.5
	131	45	264	13.1	20.1	247	14.3	17.3	231	15.7	14.8	217	17.3	12.6	201	19.5	10.3	184	21.7	8.5
	143	50	291	13.5	21.6	273	14.7	18.6	255	15.9	16.0	239	17.6	13.6	223	19.8	11.3	207	22.0	9.4
	157	55	317	13.8	22.9	299	15.0	19.9	279	16.2	17.2	261	17.9	14.6	245	20.1	12.2	230	22.3	10.4

Heat Pump and Air Handling Cooling Capacities

PH-07 / NH-07 Cooling Capacities

Air on Evaporator Coil		Temperature of Air on Condenser Coil																			
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)									
				Return Dry Bulb (°F)								Return Dry Bulb (°F)									
				90	85	80	75	70	65			90	85	80	75	70	65				
		75°F										85°F									
2250	77	112.8	5.9	54.5	44.9	35.3	-	-	-	107.0	6.5	51.9	42.4	32.9	-	-	-				
	72	104.8	5.8	68.7	59.1	49.5	40.0	-	-	99.3	6.4	66.3	56.8	47.3	37.9	-	-				
	67	96.7	5.7	82.9	73.4	63.8	54.2	44.6	-	91.7	6.3	80.8	71.3	61.8	52.3	42.8	-				
	62	89.0	5.5	89.0	89.0	80.5	70.9	61.3	51.7	84.4	6.2	84.4	84.4	76.5	67.0	57.5	48.0				
	57	88.9	5.6	88.9	88.9	80.5	70.9	61.4	51.8	84.6	6.2	84.6	84.6	75.7	66.2	56.8	47.3				
2625	77	117.0	5.9	58.7	48.7	37.9	-	-	-	110.7	6.6	57.0	46.2	35.5	-	-	-				
	72	108.6	5.8	74.8	64.0	53.2	42.5	-	-	102.7	6.5	72.5	61.8	51.1	40.4	-	-				
	67	100.3	5.7	90.9	79.3	68.5	57.8	47.0	-	94.8	6.3	88.1	77.4	66.7	56.0	45.3	-				
	62	92.3	5.6	92.3	92.3	86.5	76.2	64.9	54.1	87.3	6.2	87.3	87.3	82.6	71.9	61.1	50.4				
	57	92.2	5.6	92.2	92.2	86.6	76.3	65.0	54.2	87.5	6.2	87.5	87.5	81.7	71.0	60.3	49.6				
3000	77	121.1	5.9	63.0	52.6	40.6	-	-	-	114.3	6.6	62.0	50.1	38.1	-	-	-				
	72	112.5	5.8	80.9	68.9	56.9	45.0	-	-	106.1	6.5	78.7	66.8	54.9	42.9	-	-				
	67	103.8	5.7	98.9	85.3	73.3	61.3	49.3	-	97.9	6.4	95.4	83.5	71.6	59.6	47.7	-				
	62	95.6	5.6	95.6	95.6	92.5	81.5	68.6	56.6	90.2	6.3	90.2	90.2	88.6	76.7	64.8	52.8				
	57	95.4	5.6	95.4	95.4	92.6	81.7	68.6	56.6	90.4	6.2	90.4	90.4	87.7	75.8	63.9	51.9				
3375	72	114.6	5.8	88.6	75.6	62.6	49.6	-	-	108.6	6.5	85.9	73.0	60.0	47.1	-	-				
	67	105.7	5.7	103.3	93.6	80.6	67.6	54.6	-	100.3	6.4	99.0	91.3	78.3	65.4	52.4	-				
	62	97.4	5.6	97.4	97.4	95.8	83.3	69.8	56.8	92.3	6.3	92.3	92.3	91.6	78.6	65.7	52.7				
	57	97.2	5.6	97.2	97.2	95.8	83.3	69.7	56.7	92.5	6.3	92.5	92.5	91.2	78.3	65.3	52.3				
	3750	72	116.6	5.8	96.3	82.3	68.3	54.2	-	-	111.2	6.5	93.1	79.2	65.2	51.2	-	-			
67		107.7	5.7	107.7	101.9	87.9	73.8	59.8	-	102.6	6.4	102.6	99.0	85.1	71.1	57.1	-				
62		99.1	5.6	99.1	99.1	99.1	85.1	71.0	57.0	94.5	6.3	94.5	94.5	94.5	80.5	66.5	52.6				
57		99.0	5.6	99.0	99.0	99.0	84.9	70.9	56.8	94.7	6.3	94.7	94.7	94.7	80.7	66.7	52.8				
		95°F										105°F									
2250	77	101.2	7.2	49.3	39.9	30.6	-	-	-	100.5	8.0	59.5	50.1	40.7	-	-	-				
	72	93.9	7.1	63.9	54.6	45.2	35.8	-	-	90.2	7.9	67.7	58.3	48.9	39.4	-	-				
	67	86.6	7.0	78.6	69.2	59.8	50.4	41.0	-	79.9	7.8	75.8	66.4	57.0	47.6	38.2	-				
	62	79.8	6.9	79.8	79.8	72.5	63.1	53.7	44.4	74.8	7.7	74.8	74.8	67.3	57.9	48.5	39.0				
	57	80.3	6.8	80.3	80.3	70.9	61.5	52.1	42.8	74.9	7.7	74.9	74.9	65.7	56.2	46.8	37.4				
2625	77	104.3	7.3	55.2	43.8	33.1	-	-	-	103.7	8.0	68.8	55.1	44.4	-	-	-				
	72	96.8	7.1	70.2	59.6	49.0	38.3	-	-	93.0	8.0	74.6	63.9	53.3	42.6	-	-				
	67	89.3	7.0	85.3	75.4	64.8	54.2	43.5	-	82.4	7.9	80.4	72.8	62.1	51.4	40.8	-				
	62	82.3	6.9	82.3	82.3	78.6	67.5	57.4	46.7	77.2	7.7	77.2	77.2	73.3	62.4	52.0	41.3				
	57	82.8	6.9	82.8	82.8	76.9	65.7	55.6	45.0	77.2	7.7	77.2	77.2	71.5	60.6	50.2	39.5				
3000	77	107.5	7.3	61.0	47.6	35.7	-	-	-	106.8	8.1	78.1	60.0	48.1	-	-	-				
	72	99.7	7.2	76.5	64.6	52.8	40.9	-	-	95.9	8.0	81.5	69.6	57.7	45.8	-	-				
	67	92.0	7.0	92.0	81.7	69.8	57.9	46.1	-	84.9	7.9	84.9	79.1	67.2	55.3	43.4	-				
	62	84.7	6.9	84.7	84.7	84.7	71.9	61.0	49.1	79.6	7.8	79.6	79.6	79.3	66.9	55.5	43.6				
	57	85.3	6.9	85.3	85.3	82.9	69.9	59.1	47.2	79.6	7.7	79.6	79.6	77.4	64.9	53.6	41.6				
3375	72	102.7	7.2	83.2	70.3	57.4	44.6	-	-	98.8	8.0	87.6	76.1	63.2	50.2	-	-				
	67	94.8	7.1	94.8	88.9	76.0	63.1	50.2	-	87.5	7.9	87.5	84.2	73.6	60.6	47.7	-				
	62	87.3	6.9	87.3	87.3	87.3	73.9	61.5	48.6	82.0	7.8	82.0	82.0	81.8	68.6	55.9	43.0				
	57	87.8	6.9	87.8	87.8	86.6	73.2	60.8	48.0	82.0	7.8	82.0	82.0	80.9	67.7	55.0	42.1				
	3750	72	105.7	7.2	89.9	76.0	62.1	48.2	-	-	101.7	8.0	93.8	82.7	68.7	54.7	-	-			
67		97.5	7.1	97.5	96.1	82.2	68.3	54.4	-	90.1	7.9	90.1	89.4	79.9	65.9	52.0	-				
62		89.8	7.0	89.8	89.8	89.8	75.9	62.0	48.1	84.4	7.8	84.4	84.4	84.4	70.4	56.4	42.4				
57		90.4	6.9	90.4	90.4	90.4	76.5	62.6	48.7	84.4	7.8	84.4	84.4	84.4	70.5	56.5	42.5				

PH-07 / NH-07 Cooling Capacities (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		115°F										125°F					
2250	77	99.8	8.8	69.7	60.3	50.9	-	-	-	99.1	9.6	79.9	70.5	61.0	-	-	-
	72	86.5	8.7	71.4	62.0	52.6	43.1	-	-	82.7	9.5	75.2	65.7	56.3	46.8	-	-
	67	73.1	8.7	73.1	63.7	54.2	44.8	35.4	-	66.4	9.5	66.4	60.9	51.5	42.0	32.6	-
	62	69.9	8.5	69.9	69.9	62.0	52.6	43.2	33.7	64.9	9.4	64.9	64.9	56.8	47.3	37.9	28.4
	57	69.5	8.5	69.5	69.5	60.4	50.9	41.5	32.1	64.1	9.4	64.1	64.1	55.1	45.6	36.2	26.7
2625	77	103.0	8.8	82.4	66.4	55.7	-	-	-	102.3	9.6	92.7	77.7	67.0	-	-	-
	72	89.2	8.8	78.9	68.2	57.6	46.9	-	-	85.4	9.6	83.3	72.6	61.9	51.2	-	-
	67	75.5	8.7	75.5	70.1	59.4	48.7	38.0	-	68.5	9.6	68.5	67.4	56.7	46.0	35.3	-
	62	72.1	8.6	72.1	72.1	67.9	57.3	46.6	35.9	67.0	9.4	67.0	67.0	62.6	52.1	41.2	30.5
	57	71.7	8.6	71.7	71.7	66.1	55.4	44.8	34.1	66.2	9.4	66.2	66.2	60.7	50.3	39.3	28.6
3000	77	106.2	8.9	95.1	72.5	60.5	-	-	-	105.6	9.7	105.6	84.9	73.0	-	-	-
	72	92.0	8.8	86.4	74.5	62.6	50.6	-	-	88.1	9.6	88.1	79.4	67.5	55.5	-	-
	67	77.8	8.7	77.8	76.5	64.6	52.6	40.7	-	70.7	9.6	70.7	70.7	62.0	50.0	38.0	-
	62	74.4	8.6	74.4	74.4	73.8	61.9	50.0	38.0	69.2	9.5	69.2	69.2	68.4	56.9	44.5	32.5
	57	73.9	8.6	73.9	73.9	71.9	59.9	48.0	36.1	68.3	9.5	68.3	68.3	66.4	54.9	42.4	30.5
3375	72	94.8	8.8	92.1	81.9	68.9	55.9	-	-	90.9	9.7	90.9	87.7	74.6	61.5	-	-
	67	80.2	8.8	80.2	79.6	71.1	58.1	45.1	-	72.9	9.6	72.9	72.9	68.7	55.6	42.5	-
	62	76.7	8.6	76.7	76.7	76.4	63.4	50.4	37.4	71.3	9.5	71.3	71.3	71.0	58.1	44.8	31.7
	57	76.2	8.6	76.2	76.2	75.2	62.2	49.2	36.2	70.4	9.5	70.4	70.4	69.5	56.7	43.3	30.3
3750	72	97.7	8.8	97.7	89.3	75.2	61.1	-	-	93.7	9.7	93.7	93.7	81.8	67.6	-	-
	67	82.6	8.8	82.6	82.6	77.7	63.6	49.5	-	75.2	9.6	75.2	75.2	75.2	61.2	47.0	-
	62	79.0	8.7	79.0	79.0	79.0	64.9	50.8	36.7	73.5	9.5	73.5	73.5	73.5	59.3	45.2	31.0
	57	78.5	8.6	78.5	78.5	78.5	64.4	50.3	36.3	72.6	9.5	72.6	72.6	72.6	58.4	44.2	30.0

¹ These capacities are gross ratings. For net capacity, deduct supply air blower motor, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

² These ratings include the condenser fan motors and the compressor motors but not the supply air blower motor.

PH-10 / NH-10

Air on Evaporator Coil		Temperature of Air on Condenser Coil																	
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)							
				Return Dry Bulb (°F)								Return Dry Bulb (°F)							
				90	85	80	75	70	65			90	85	80	75	70	65		
		75°F									85°F								
3000	77	140.5	7.5	70.2	58.2	46.2	-	-	-	134.2	8.6	65.0	52.8	40.6	-	-	-		
	72	133.6	7.5	87.5	75.5	63.5	51.5	-	-	127.3	8.5	84.4	72.2	59.9	47.7	-	-		
	67	126.6	7.4	104.8	92.8	80.8	68.9	56.9	-	120.3	8.5	103.8	91.5	79.3	67.1	54.8	-		
	62	120.2	7.4	120.2	120.2	107.7	95.7	83.8	71.8	113.2	8.4	113.2	113.2	101.2	88.9	76.7	64.5		
	57	121.8	7.3	121.8	123.0	114.5	102.5	90.5	78.6	117.1	8.4	117.1	117.1	106.6	94.4	82.2	69.9		
3500	77	147.3	7.7	74.8	62.4	49.1	-	-	-	140.4	8.7	71.4	57.6	43.7	-	-	-		
	72	140.0	7.6	93.9	80.6	67.3	54.1	-	-	133.2	8.7	92.3	78.4	64.6	50.7	-	-		
	67	132.8	7.6	112.9	98.8	85.5	72.3	59.0	-	125.9	8.6	113.2	99.3	85.5	71.6	57.8	-		
	62	126.0	7.6	126.0	126.0	114.2	101.0	87.6	74.4	118.5	8.5	118.5	118.5	109.0	95.2	81.3	67.5		
	57	127.7	7.5	127.7	128.3	121.4	108.7	94.9	81.6	122.5	8.5	122.5	122.5	114.9	101.1	87.2	73.4		
4000	77	154.1	7.8	79.4	66.6	52.0	-	-	-	146.6	8.9	77.8	62.3	46.9	-	-	-		
	72	146.5	7.8	100.2	85.7	71.1	56.6	-	-	139.0	8.8	100.2	84.7	69.2	53.8	-	-		
	67	138.9	7.8	121.1	104.8	90.2	75.7	61.1	-	131.5	8.7	122.5	107.1	91.6	76.2	60.7	-		
	62	131.8	7.8	131.8	131.8	120.6	106.3	91.5	76.9	123.7	8.7	123.7	123.7	116.9	101.4	86.0	70.5		
	57	133.6	7.6	133.6	133.6	128.3	114.8	99.2	84.6	127.9	8.6	127.9	127.9	123.2	107.7	92.3	76.8		
4500	72	148.2	7.7	110.0	94.1	78.1	62.2	-	-	140.9	8.7	108.1	91.5	74.8	58.1	-	-		
	67	140.5	7.7	131.6	115.2	99.3	83.4	67.5	-	133.2	8.6	128.7	115.6	99.0	82.3	65.6	-		
	62	133.4	7.7	133.4	133.4	127.8	112.0	95.9	80.0	125.3	8.6	125.3	125.3	121.9	105.3	88.6	71.9		
	57	135.2	7.5	135.2	135.2	132.5	117.2	100.7	84.8	129.6	8.6	129.6	129.6	127.2	110.6	93.9	77.2		
	5000	72	150.0	7.6	119.7	102.4	85.1	67.9	-	-	142.7	8.6	116.1	98.2	80.3	62.5	-	-	
67		142.2	7.5	142.2	125.6	108.3	91.1	73.8	-	134.9	8.5	134.9	124.2	106.3	88.4	70.5	-		
62		134.9	7.5	134.9	134.9	134.9	117.6	100.4	83.1	127.0	8.5	127.0	127.0	127.0	109.1	91.2	73.3		
57		136.7	7.4	136.7	136.7	136.7	119.5	102.2	84.9	131.3	8.5	131.3	131.3	131.3	113.4	95.5	77.6		
		95°F									105°F								
3000	77	128.0	9.7	59.9	47.4	34.9	-	-	-	120.6	10.9	59.2	46.6	34.0	-	-	-		
	72	121.0	9.6	81.3	68.8	56.3	43.8	-	-	113.1	10.8	79.6	67.0	54.4	41.8	-	-		
	67	114.1	9.5	102.8	90.3	77.8	65.3	52.8	-	105.6	10.7	100.0	87.4	74.7	62.1	49.5	-		
	62	106.3	9.3	106.3	106.3	94.7	82.2	69.7	57.2	101.1	10.6	101.1	101.1	90.6	78.0	65.4	52.8		
	57	112.4	9.5	112.4	111.3	98.8	86.3	73.8	61.3	104.8	10.7	104.8	104.2	92.7	80.1	67.5	54.9		
3500	77	133.6	9.8	68.0	52.7	38.3	-	-	-	126.1	11.0	69.7	51.8	37.3	-	-	-		
	72	126.3	9.7	90.7	76.3	61.9	47.4	-	-	118.3	10.9	88.6	74.1	59.6	45.1	-	-		
	67	119.0	9.6	113.4	99.8	85.4	71.0	56.5	-	110.4	10.8	107.6	96.5	82.0	67.5	53.0	-		
	62	111.0	9.4	111.0	111.0	103.9	89.4	75.1	60.6	105.7	10.7	105.7	105.7	99.3	84.8	70.3	55.8		
	57	117.3	9.6	117.3	116.7	108.4	93.4	79.6	65.1	109.5	10.8	109.5	109.3	101.6	86.9	72.6	58.1		
4000	77	139.1	9.9	76.2	58.1	41.7	-	-	-	131.6	11.1	80.1	56.9	40.5	-	-	-		
	72	131.6	9.8	100.1	83.7	67.4	51.0	-	-	123.4	11.0	97.7	81.3	64.9	48.5	-	-		
	67	124.0	9.7	124.0	109.4	93.0	76.6	60.3	-	115.2	10.9	115.2	105.6	89.2	72.8	56.4	-		
	62	115.6	9.5	115.6	115.6	113.2	96.5	80.5	64.1	110.3	10.8	110.3	110.3	108.1	91.6	75.3	58.9		
	57	122.2	9.7	122.2	122.2	118.1	100.6	85.4	69.0	114.3	10.9	114.3	114.3	110.6	93.6	77.8	61.4		
4500	72	133.5	9.7	106.3	88.9	71.5	54.0	-	-	124.9	10.9	104.6	86.9	69.3	51.7	-	-		
	67	125.8	9.6	125.8	116.1	98.6	81.2	63.8	-	116.6	10.8	116.6	110.6	95.3	77.7	60.1	-		
	62	117.3	9.5	117.3	117.3	116.1	98.5	81.2	63.8	111.6	10.7	111.6	111.6	110.5	92.8	75.3	57.6		
	57	124.0	9.6	124.0	124.0	122.0	104.0	87.1	69.7	115.7	10.8	115.7	115.7	113.8	95.9	78.6	61.0		
	5000	72	135.4	9.6	112.5	94.0	75.5	57.0	-	-	126.3	10.9	111.5	92.6	73.8	55.0	-	-	
67		127.6	9.5	127.6	122.8	104.3	85.8	67.3	-	118.0	10.8	118.0	115.5	101.5	82.6	63.8	-		
62		119.0	9.4	119.0	119.0	119.0	100.5	82.0	63.5	112.9	10.7	112.9	112.9	112.9	94.1	75.2	56.4		
57		125.8	9.5	125.8	125.8	125.8	107.3	88.8	70.3	117.0	10.7	117.0	117.0	117.0	98.2	79.4	60.5		

PH-10 / NH-10 (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		115°F															
3000	77	113.3	12.1	58.5	45.8	33.1	-	-	-	105.9	13.2	57.8	45.0	32.1	-	-	-
	72	105.2	12.0	77.8	65.1	52.4	39.7	-	-	97.3	13.2	76.1	63.2	50.4	37.6	-	-
	67	97.2	11.9	97.2	84.4	71.7	59.0	46.3	-	88.7	13.1	88.7	81.5	68.7	55.8	43.0	-
	62	95.9	11.8	95.9	95.9	86.5	73.8	61.1	48.4	90.6	13.1	90.6	90.6	82.5	69.6	56.8	43.9
	57	97.1	11.8	97.1	97.1	86.6	73.9	61.2	48.4	89.5	13.0	89.5	89.5	80.5	67.7	54.8	42.0
3500	77	118.7	12.2	71.3	50.8	36.2	-	-	-	111.3	13.4	72.9	49.8	35.2	-	-	-
	72	110.2	12.1	86.5	72.0	57.4	42.8	-	-	102.2	13.3	84.4	69.8	55.1	40.5	-	-
	67	101.8	12.0	101.8	93.1	78.5	64.0	49.4	-	93.2	13.2	93.2	89.8	75.1	60.4	45.8	-
	62	100.4	11.9	100.4	100.4	94.8	80.2	65.6	51.0	95.2	13.2	95.2	95.2	90.2	75.6	60.9	46.2
	57	101.8	12.0	101.8	101.8	94.8	80.3	65.7	51.1	94.0	13.2	94.0	94.0	88.1	73.7	58.8	44.1
4000	77	124.1	12.3	84.0	55.8	39.4	-	-	-	116.6	13.5	88.0	54.6	38.2	-	-	-
	72	115.3	12.2	95.2	78.8	62.4	45.9	-	-	107.1	13.4	92.8	76.3	59.9	43.4	-	-
	67	106.4	12.1	106.4	101.8	85.4	68.9	52.5	-	97.7	13.3	97.7	97.7	81.5	65.1	48.6	-
	62	105.0	12.1	105.0	105.0	103.0	86.6	70.1	53.7	99.7	13.3	99.7	99.7	97.9	81.6	65.0	48.5
	57	106.4	12.1	106.4	106.4	103.1	86.7	70.2	53.8	98.5	13.3	98.5	98.5	95.6	79.7	62.7	46.2
4500	72	116.3	12.1	102.8	85.0	67.2	49.4	-	-	107.6	13.3	101.0	83.1	65.1	47.1	-	-
	67	107.3	12.0	107.3	105.0	92.0	74.2	56.4	-	98.1	13.3	98.1	98.1	88.7	70.7	52.7	-
	62	105.9	12.0	105.9	105.9	104.9	87.1	69.3	51.5	100.2	13.2	100.2	100.2	99.3	81.4	63.3	45.4
	57	107.3	12.0	107.3	107.3	105.7	87.9	70.1	52.3	98.9	13.2	98.9	98.9	97.5	79.8	61.5	43.6
5000	72	117.2	12.1	110.4	91.2	72.0	52.9	-	-	108.1	13.3	108.1	89.8	70.3	50.8	-	-
	67	108.3	12.0	108.3	108.3	98.6	79.5	60.3	-	98.6	13.2	98.6	98.6	95.8	76.3	56.8	-
	62	106.8	11.9	106.8	106.8	106.8	87.6	68.5	49.3	100.7	13.2	100.7	100.7	100.7	81.2	61.7	42.2
	57	108.2	11.9	108.2	108.2	108.2	89.0	69.9	50.7	99.4	13.1	99.4	99.4	99.4	79.9	60.4	40.9

¹ These capacities are gross ratings. For net capacity, deduct supply air blower motor, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

² These ratings include the condenser fan motors and the compressor motors but not the supply air blower motor.

PH-15 / NH-15

Air on Evaporator Coil		Temperature of Air on Condenser Coil																			
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)									
				Return Dry Bulb (°F)								Return Dry Bulb (°F)									
				90	85	80	75	70	65			90	85	80	75	70	65				
		75°F										85°F									
4500	77	223.0	12.5	104.1	85.2	66.4	-	-	-	216.7	13.8	104.7	85.9	67.0	-	-	-				
	72	209.3	12.3	134.7	115.8	97.0	78.1	-	-	200.9	13.6	133.0	114.1	95.2	76.3	-	-				
	67	195.7	12.1	165.2	146.4	127.6	108.7	89.9	-	185.0	13.4	161.2	142.3	123.4	104.5	85.7	-				
	62	176.7	11.8	176.7	176.7	152.0	133.2	114.3	95.5	169.4	13.0	169.4	169.4	151.2	132.4	113.5	94.6				
	57	179.6	11.8	179.6	179.6	159.1	140.3	121.4	102.6	173.1	13.1	173.1	173.1	154.4	135.5	116.7	97.8				
5250	77	229.0	12.6	113.8	93.3	71.8	-	-	-	221.4	13.9	114.8	93.3	71.7	-	-	-				
	72	215.0	12.4	147.9	126.3	104.8	83.3	-	-	205.2	13.6	145.0	123.5	101.9	80.3	-	-				
	67	200.9	12.2	181.9	159.4	137.8	116.3	94.8	-	189.1	13.4	175.2	153.7	132.1	110.5	88.9	-				
	62	181.4	11.8	181.4	181.4	164.3	143.6	121.3	99.8	173.0	13.1	173.0	173.0	161.9	140.3	118.7	97.1				
	57	184.5	11.9	184.5	184.5	171.9	151.4	128.9	107.4	176.9	13.1	176.9	176.9	165.3	143.7	122.1	100.6				
6000	77	235.0	12.6	123.5	101.4	77.2	-	-	-	226.1	13.9	124.9	100.6	76.4	-	-	-				
	72	220.6	12.4	161.0	136.9	112.7	88.5	-	-	209.6	13.7	157.1	132.8	108.6	84.3	-	-				
	67	206.2	12.2	198.5	172.3	148.1	123.9	99.8	-	193.1	13.4	189.3	165.0	140.8	116.5	92.2	-				
	62	186.2	11.9	186.2	186.2	176.7	154.1	128.3	104.1	176.7	13.1	176.7	176.7	172.5	148.2	124.0	99.7				
	57	189.3	11.9	189.3	189.3	184.8	162.6	136.4	112.2	180.6	13.2	180.6	180.6	176.1	151.8	127.6	103.3				
6750	72	223.2	12.5	170.5	144.3	118.1	91.9	-	-	213.0	13.7	168.5	142.1	115.7	89.3	-	-				
	67	208.6	12.3	204.8	181.5	155.3	129.1	102.9	-	196.2	13.5	194.3	176.4	150.0	123.6	97.3	-				
	62	188.4	11.9	188.4	188.4	183.6	158.3	131.3	105.1	179.6	13.2	179.6	179.6	177.5	151.1	124.7	98.3				
	57	191.6	12.0	191.6	191.6	189.3	164.1	136.9	110.7	183.6	13.2	183.6	183.6	181.3	154.9	128.5	102.2				
	7500	72	225.9	12.6	179.9	151.7	123.5	95.3	-	-	216.4	13.8	179.9	151.4	122.9	94.4	-	-			
67		211.1	12.4	211.1	190.7	162.5	134.3	106.1	-	199.4	13.5	199.4	187.8	159.3	130.8	102.3	-				
62		190.6	12.0	190.6	190.6	190.6	162.4	134.2	106.0	182.5	13.2	182.5	182.5	182.5	154.0	125.5	97.0				
57		193.8	12.1	193.8	193.8	193.8	165.6	137.4	109.2	186.5	13.3	186.5	186.5	186.5	158.0	129.5	101.0				
		95°F										105°F									
4500	77	210.5	15.1	105.4	86.5	67.6	-	-	-	192.8	16.7	98.9	80.0	61.1	-	-	-				
	72	192.4	14.9	131.3	112.4	93.4	74.5	-	-	177.2	16.5	125.6	106.7	87.8	68.9	-	-				
	67	174.4	14.6	157.1	138.2	119.3	100.4	81.4	-	161.6	16.3	152.4	133.5	114.6	95.7	76.8	-				
	62	162.0	14.3	162.0	162.0	150.5	131.6	112.6	93.7	150.1	16.0	150.1	150.1	142.4	123.5	104.6	85.7				
	57	166.6	14.4	166.6	166.6	149.8	130.8	111.9	93.0	155.1	16.1	155.1	155.1	137.9	119.0	100.1	81.2				
5250	77	213.8	15.2	115.9	93.2	71.6	-	-	-	196.5	16.7	114.1	86.9	65.3	-	-	-				
	72	195.5	14.9	142.2	120.6	99.0	77.3	-	-	180.6	16.5	137.1	115.5	93.8	72.2	-	-				
	67	177.2	14.6	168.6	148.0	126.3	104.7	83.1	-	164.7	16.3	160.1	144.1	122.4	100.8	79.2	-				
	62	164.7	14.4	164.7	164.7	159.4	136.9	116.1	94.5	153.0	16.1	153.0	153.0	152.2	130.1	108.9	87.3				
	57	169.2	14.4	169.2	169.2	158.6	136.0	115.3	93.7	158.1	16.1	158.1	158.1	147.3	125.2	104.1	82.4				
6000	77	217.2	15.2	126.3	99.9	75.6	-	-	-	200.2	16.8	129.3	93.8	69.4	-	-	-				
	72	198.6	14.9	153.1	128.8	104.5	80.1	-	-	184.1	16.5	148.6	124.2	99.9	75.5	-	-				
	67	180.0	14.6	180.0	157.7	133.4	109.0	84.7	-	167.9	16.3	167.9	154.7	130.3	106.0	81.6	-				
	62	167.3	14.4	167.3	167.3	168.3	142.3	119.6	95.3	155.9	16.1	155.9	155.9	162.0	136.8	113.2	88.9				
	57	171.9	14.4	171.9	171.9	167.5	141.1	118.8	94.5	161.1	16.1	161.1	161.1	156.7	131.4	108.0	83.7				
6750	72	202.8	15.0	166.5	139.9	113.4	86.8	-	-	187.4	16.6	160.8	134.3	107.7	81.1	-	-				
	67	183.8	14.7	183.8	171.3	144.7	118.2	91.6	-	170.9	16.4	170.9	163.6	140.5	113.9	87.3	-				
	62	170.8	14.4	170.8	170.8	171.3	143.9	118.2	91.6	158.7	16.1	158.7	158.7	161.7	134.7	108.6	82.0				
	57	175.6	14.5	175.6	175.6	173.3	145.8	120.2	93.6	164.0	16.2	164.0	164.0	161.8	134.7	108.6	82.1				
	7500	72	207.0	15.0	179.8	151.0	122.2	93.5	-	-	190.7	16.6	173.1	144.3	115.5	86.7	-	-			
67		187.6	14.7	187.6	184.9	156.1	127.3	98.5	-	173.9	16.4	173.9	172.5	150.7	121.9	93.1	-				
62		174.3	14.4	174.3	174.3	174.3	145.5	116.7	87.9	161.5	16.2	161.5	161.5	161.5	132.7	103.9	75.1				
57		179.2	14.5	179.2	179.2	179.2	150.4	121.6	92.8	166.8	16.2	166.8	166.8	166.8	138.1	109.3	80.5				

PH-15 / NH-15 (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil																			
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)									
				Return Dry Bulb (°F)								Return Dry Bulb (°F)									
				90	85	80	75	70	65			90	85	80	75	70	65				
		115°F										125°F									
4500	77	175.1	18.3	92.4	73.5	54.6	-	-	-	157.4	19.9	85.8	67.0	48.1	-	-	-				
	72	162.0	18.1	120.0	101.1	82.2	63.3	-	-	146.7	19.8	114.3	95.5	76.6	57.8	-	-				
	67	148.8	18.0	147.6	128.7	109.8	91.0	72.1	-	136.1	19.6	136.1	124.0	105.1	86.3	67.4	-				
	62	138.1	17.8	138.1	138.1	134.4	115.5	96.6	77.7	126.2	19.5	126.2	126.2	126.2	107.5	88.6	69.7				
	57	143.6	17.8	143.6	143.6	126.1	107.2	88.3	69.4	132.1	19.6	132.1	132.1	114.2	95.4	76.5	57.6				
5250	77	179.2	18.3	112.3	80.6	58.9	-	-	-	161.8	19.9	110.6	74.3	52.6	-	-	-				
	72	165.7	18.1	132.0	110.4	88.7	67.1	-	-	150.8	19.8	126.9	105.3	83.6	62.0	-	-				
	67	152.3	18.0	151.7	140.2	118.6	96.9	75.3	-	139.9	19.6	139.9	136.3	114.7	93.0	71.4	-				
	62	141.3	17.8	141.3	141.3	145.0	123.4	101.7	80.1	129.7	19.5	129.7	129.7	129.7	116.6	94.6	72.9				
	57	146.9	17.8	146.9	146.9	136.1	114.4	92.8	71.1	135.7	19.6	135.7	135.7	124.8	103.6	81.5	59.9				
6000	77	183.2	18.3	132.3	87.6	63.3	-	-	-	166.2	19.9	135.3	81.5	57.1	-	-	-				
	72	169.5	18.1	144.0	119.6	95.3	70.9	-	-	154.9	19.8	139.5	115.1	90.6	66.2	-	-				
	67	155.8	18.0	155.8	151.6	127.3	102.9	78.5	-	143.6	19.6	143.6	143.6	124.2	99.8	75.4	-				
	62	144.5	17.8	144.5	144.5	155.7	131.3	106.9	82.5	133.2	19.5	133.2	133.2	133.2	125.8	100.5	76.1				
	57	150.2	17.9	150.2	150.2	146.0	121.6	97.3	72.9	139.4	19.6	139.4	139.4	135.3	111.9	86.5	62.1				
6750	72	171.9	18.2	155.2	128.6	102.0	75.4	-	-	156.4	19.8	149.5	122.9	96.3	69.7	-	-				
	67	158.0	18.0	158.0	155.9	136.3	109.7	83.1	-	145.1	19.7	145.1	145.1	132.0	105.4	78.8	-				
	62	146.6	17.8	146.6	146.6	152.1	125.6	99.0	72.4	134.5	19.5	134.5	134.5	134.5	116.4	89.4	62.7				
	57	152.4	17.9	152.4	152.4	150.3	123.7	97.1	70.5	140.8	19.6	140.8	140.8	138.8	112.7	85.5	58.9				
7500	72	174.3	18.2	166.3	137.5	108.8	80.0	-	-	158.0	19.9	158.0	130.8	102.0	73.2	-	-				
	67	160.2	18.1	160.2	160.2	145.3	116.5	87.7	-	146.5	19.8	146.5	146.5	139.9	111.1	82.3	-				
	62	148.6	17.9	148.6	148.6	148.6	119.8	91.0	62.3	135.8	19.6	135.8	135.8	135.8	107.0	78.2	49.4				
	57	154.5	18.0	154.5	154.5	154.5	125.7	96.9	68.1	142.2	19.7	142.2	142.2	142.2	113.4	84.6	55.8				

¹ These capacities are gross ratings. For net capacity, deduct supply air blower motor, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

² These ratings include the condenser fan motors and the compressor motors but not the supply air blower motor

PJ-15 / NJ-15

Air on Evaporator Coil		Temperature of Air on Condenser Coil																	
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)							
				Return Dry Bulb (°F)								Return Dry Bulb (°F)							
				90	85	80	75	70	65			90	85	80	75	70	65		
		75°F									85°F								
4500	77	231.4	12.4	111.6	93.0	74.5	-	-	-	219.9	13.7	106.4	87.9	69.5	-	-	-		
	72	215.6	12.0	142.9	124.4	105.8	87.2	-	-	204.0	13.4	138.2	119.7	101.2	82.8	-	-		
	67	199.7	11.7	174.3	155.7	137.2	118.6	100.0	-	188.1	13.1	169.9	151.4	133.0	114.5	96.0	-		
	62	183.7	11.4	183.7	183.7	170.7	152.1	133.6	115.0	174.3	12.8	174.3	174.3	163.8	145.3	126.9	108.4		
	57	184.6	11.4	184.6	184.6	173.2	154.6	136.1	117.5	175.3	12.8	175.3	175.3	164.8	146.3	127.8	109.4		
5250	77	233.6	12.4	117.3	98.2	76.9	-	-	-	222.0	13.7	114.1	92.9	71.7	-	-	-		
	72	217.6	12.1	151.9	130.6	109.3	88.0	-	-	206.0	13.4	146.9	125.7	104.5	83.3	-	-		
	67	201.6	11.7	186.5	163.0	141.7	120.4	99.1	-	189.9	13.1	179.7	158.5	137.2	116.0	94.8	-		
	62	185.5	11.4	185.5	185.5	176.3	155.6	133.7	112.4	176.0	12.8	176.0	176.0	169.1	147.9	126.6	105.4		
	57	186.3	11.4	186.3	186.3	178.9	158.5	136.3	115.0	177.0	12.8	177.0	177.0	170.1	148.8	127.6	106.4		
6000	77	235.8	12.4	123.1	103.4	79.4	-	-	-	224.2	13.7	121.8	97.9	73.9	-	-	-		
	72	219.7	12.1	160.9	136.9	112.8	88.7	-	-	208.0	13.4	155.6	131.7	107.7	83.8	-	-		
	67	203.5	11.7	198.8	170.3	146.2	122.2	98.1	-	191.8	13.1	189.4	165.5	141.5	117.6	93.6	-		
	62	187.2	11.4	187.2	187.2	182.0	159.2	133.8	109.8	177.7	12.9	177.7	177.7	174.3	150.4	126.4	102.5		
	57	188.0	11.4	188.0	188.0	184.6	162.4	136.5	112.4	178.7	12.9	178.7	178.7	175.4	151.4	127.5	103.5		
6750	72	222.5	12.1	171.1	144.6	118.1	91.7	-	-	210.6	13.5	165.7	139.4	113.2	86.9	-	-		
	67	206.2	11.8	203.8	179.6	153.2	126.7	100.2	-	194.2	13.2	193.0	174.9	148.6	122.4	96.1	-		
	62	189.7	11.5	189.7	189.7	187.0	161.2	134.1	107.6	180.0	12.9	180.0	180.0	178.3	152.0	125.7	99.5		
	57	190.5	11.5	190.5	190.5	188.8	163.3	135.9	109.4	181.0	12.9	181.0	181.0	179.3	153.1	126.8	100.5		
	7500	72	225.4	12.2	181.3	152.4	123.5	94.6	-	-	213.3	13.6	175.8	147.2	118.6	90.0	-	-	
67		208.9	11.8	208.9	189.0	160.1	131.2	102.3	-	196.7	13.2	196.7	184.4	155.8	127.2	98.6	-		
62		192.1	11.5	192.1	192.1	192.1	163.2	134.3	105.5	182.2	13.0	182.2	182.2	182.2	153.6	125.0	96.4		
57		193.0	11.5	193.0	193.0	193.0	164.1	135.2	106.3	183.3	13.0	183.3	183.3	183.3	154.7	126.1	97.5		
		95°F									105°F								
4500	77	208.3	15.1	101.3	82.9	64.5	-	-	-	192.0	17.0	96.4	77.9	59.4	-	-	-		
	72	192.4	14.8	133.4	115.0	96.6	78.3	-	-	177.3	16.7	128.6	110.2	91.7	73.2	-	-		
	67	176.4	14.5	165.5	147.2	128.8	110.4	92.0	-	162.5	16.4	157.1	142.5	124.0	105.5	87.0	-		
	62	164.9	14.3	164.9	164.9	156.9	138.5	120.2	101.8	153.2	16.2	153.2	153.2	149.2	130.7	112.3	93.8		
	57	166.1	14.3	166.1	166.1	156.3	138.0	119.6	101.2	155.2	16.2	155.2	155.2	146.0	127.5	109.0	90.6		
5250	77	210.5	15.1	110.9	87.6	66.5	-	-	-	193.9	17.0	110.4	82.4	61.2	-	-	-		
	72	194.3	14.8	141.9	120.8	99.7	78.5	-	-	179.0	16.7	136.8	115.7	94.5	73.4	-	-		
	67	178.2	14.5	172.8	153.9	132.8	111.7	90.6	-	164.1	16.4	161.4	149.0	127.8	106.6	85.5	-		
	62	166.5	14.3	166.5	166.5	161.8	140.1	119.6	98.5	154.7	16.2	154.7	154.7	154.2	132.7	111.9	90.7		
	57	167.8	14.3	167.8	167.8	161.2	139.2	119.0	97.9	156.8	16.2	156.8	156.8	150.5	128.9	108.2	87.0		
6000	77	212.6	15.1	120.6	92.3	68.5	-	-	-	195.8	17.0	124.4	86.9	63.1	-	-	-		
	72	196.3	14.8	150.3	126.5	102.7	78.8	-	-	180.8	16.7	145.0	121.2	97.3	73.5	-	-		
	67	180.0	14.5	180.0	160.6	136.8	113.0	89.2	-	165.7	16.4	165.7	155.5	131.6	107.8	83.9	-		
	62	168.2	14.3	168.2	168.2	166.7	141.6	119.0	95.2	156.2	16.2	156.2	156.2	159.2	134.7	111.5	87.6		
	57	169.5	14.3	169.5	169.5	166.1	140.4	118.4	94.6	158.3	16.2	158.3	158.3	155.0	130.2	107.3	83.4		
6750	72	198.7	14.9	160.3	134.2	108.2	82.1	-	-	183.0	16.8	155.6	129.3	103.0	76.7	-	-		
	67	182.2	14.6	182.2	170.2	144.1	118.0	92.0	-	167.8	16.5	167.8	161.5	139.3	113.0	86.7	-		
	62	170.3	14.3	170.3	170.3	169.5	142.8	117.4	91.3	158.2	16.2	158.2	158.2	159.7	133.0	107.1	80.8		
	57	171.6	14.4	171.6	171.6	169.9	142.9	117.7	91.6	160.3	16.3	160.3	160.3	158.6	131.9	106.0	79.7		
	7500	72	201.2	14.9	170.3	142.0	113.6	85.3	-	-	185.3	16.8	166.3	137.5	108.8	80.0	-	-	
67		184.5	14.6	184.5	179.8	151.4	123.1	94.8	-	169.9	16.5	169.9	167.5	147.1	118.3	89.6	-		
62		172.4	14.4	172.4	172.4	172.4	144.1	115.7	87.4	160.1	16.3	160.1	160.1	160.1	131.4	102.6	73.9		
57		173.7	14.5	173.7	173.7	173.7	145.3	117.0	88.7	162.3	16.4	162.3	162.3	162.3	133.5	104.8	76.0		

PJ-15 / NJ-15 (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
4500	77	175.7	18.9	91.5	72.9	54.3	-	-	-	159.4	20.8	86.6	67.9	49.2	-	-	-
	72	162.2	18.6	123.9	105.3	86.8	68.2	-	-	147.1	20.5	119.1	100.5	81.8	63.1	-	-
	67	148.6	18.2	148.6	137.8	119.2	100.6	82.0	-	134.7	20.1	134.7	133.1	114.4	95.7	77.1	-
	62	141.5	18.1	141.5	141.5	141.5	123.0	104.4	85.8	129.9	20.0	129.9	129.9	129.9	115.2	96.5	77.8
	57	144.4	18.1	144.4	144.4	135.6	117.1	98.5	79.9	133.6	20.1	133.6	133.6	125.3	106.6	88.0	69.3
5250	77	177.4	18.9	109.8	77.2	56.0	-	-	-	160.8	20.9	109.2	72.0	50.7	-	-	-
	72	163.7	18.6	131.8	110.6	89.4	68.2	-	-	148.4	20.5	126.8	105.5	84.3	63.0	-	-
	67	150.0	18.3	150.0	144.0	122.8	101.6	80.4	-	135.9	20.1	135.9	135.9	117.8	96.5	75.3	-
	62	142.9	18.1	142.9	142.9	146.6	125.4	104.2	82.9	131.0	20.0	131.0	131.0	131.0	118.0	96.4	75.2
	57	145.8	18.1	145.8	145.8	139.8	118.5	97.3	76.1	134.8	20.1	134.8	134.8	129.1	108.2	86.5	65.2
6000	77	179.0	18.9	128.1	81.5	57.6	-	-	-	162.3	20.9	131.9	76.1	52.2	-	-	-
	72	165.2	18.6	139.8	115.9	92.0	68.2	-	-	149.7	20.5	134.5	110.6	86.7	62.8	-	-
	67	151.4	18.3	151.4	150.3	126.4	102.6	78.7	-	137.1	20.1	137.1	137.1	121.3	97.4	73.5	-
	62	144.2	18.1	144.2	144.2	151.7	127.8	103.9	80.1	132.2	20.0	132.2	132.2	132.2	120.9	96.4	72.5
	57	147.1	18.2	147.1	147.1	143.9	120.0	96.1	72.3	136.0	20.1	136.0	136.0	132.8	109.8	85.0	61.1
6750	72	167.3	18.7	151.0	124.5	97.9	71.4	-	-	151.6	20.6	146.3	119.6	92.8	66.1	-	-
	67	153.3	18.3	153.3	152.8	134.6	108.0	81.5	-	138.9	20.2	138.9	138.9	129.8	103.0	76.3	-
	62	146.0	18.1	146.0	146.0	149.8	123.2	96.7	70.2	133.9	20.0	133.9	133.9	133.9	113.5	86.4	59.6
	57	149.0	18.2	149.0	149.0	147.4	120.9	94.3	67.8	137.7	20.1	137.7	137.7	136.1	109.9	82.6	55.9
7500	72	169.4	18.7	162.2	133.0	103.9	74.7	-	-	153.5	20.6	153.5	128.6	99.0	69.4	-	-
	67	155.3	18.4	155.3	155.3	142.7	113.5	84.3	-	140.7	20.3	140.7	140.7	138.3	108.7	79.1	-
	62	147.9	18.2	147.9	147.9	147.9	118.7	89.5	60.3	135.6	20.1	135.6	135.6	135.6	106.0	76.4	46.8
	57	150.9	18.3	150.9	150.9	150.9	121.7	92.5	63.3	139.5	20.2	139.5	139.5	139.5	109.9	80.3	50.6

¹ These capacities are gross ratings. For net capacity, deduct supply air blower motor, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

² These ratings include the condenser fan motors and the compressor motors but not the supply air blower motor.

PH-20 / NH-20

Air on Evaporator Coil		Temperature of Air on Condenser Coil																	
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)							
				Return Dry Bulb (°F)								Return Dry Bulb (°F)							
				90	85	80	75	70	65			90	85	80	75	70	65		
		75°F									85°F								
6000	77	291.6	15.5	130.3	106.9	83.5	-	-	-	282.9	17.2	129.6	106.1	82.6	-	-	-		
	72	272.3	15.2	169.8	146.3	122.9	99.5	-	-	261.4	16.8	167.2	143.7	120.2	96.7	-	-		
	67	252.9	14.9	209.2	185.8	162.4	138.9	115.5	-	239.8	16.5	204.8	181.3	157.8	134.3	110.9	-		
	62	232.6	14.7	232.6	220.7	195.8	172.4	149.0	125.5	223.0	16.3	223.0	217.0	193.5	170.0	146.6	123.1		
	57	235.8	14.7	235.8	228.8	205.4	181.9	158.5	135.1	226.3	16.3	226.3	222.0	198.5	175.0	151.6	128.1		
7000	77	302.5	15.5	144.0	117.5	91.0	-	-	-	291.7	17.2	142.1	115.7	89.4	-	-	-		
	72	282.4	15.2	187.0	160.5	134.0	107.5	-	-	269.5	16.9	182.8	156.4	130.1	103.8	-	-		
	67	262.3	15.0	230.0	203.5	177.0	150.5	123.9	-	247.3	16.6	223.5	197.1	170.8	144.4	118.1	-		
	62	241.3	14.8	241.3	235.3	213.5	188.4	160.5	134.0	229.9	16.4	229.9	227.0	209.4	183.1	156.7	130.4		
	57	244.6	14.7	244.6	241.1	223.8	199.2	170.8	144.3	233.4	16.4	233.4	231.2	214.8	188.5	162.1	135.8		
8000	77	313.4	15.5	157.8	128.2	98.6	-	-	-	300.6	17.3	154.6	125.4	96.2	-	-	-		
	72	292.5	15.2	204.3	174.7	145.1	115.5	-	-	277.7	17.0	198.4	169.2	140.0	110.8	-	-		
	67	271.7	15.0	250.8	221.2	191.6	162.0	132.4	-	254.8	16.7	242.1	212.9	183.7	154.5	125.3	-		
	62	249.9	14.8	249.9	249.9	231.2	204.4	172.0	142.4	236.9	16.4	236.9	236.9	225.3	196.1	166.9	137.7		
	57	253.3	14.7	253.3	253.3	242.3	216.4	183.1	153.5	240.5	16.4	240.5	240.5	231.1	201.9	172.7	143.5		
9000	72	302.9	15.2	218.5	186.3	154.2	122.0	-	-	286.0	17.0	212.2	180.3	148.3	116.4	-	-		
	67	281.3	14.9	270.8	235.8	203.6	171.5	139.3	-	262.4	16.7	256.1	226.7	194.7	162.8	130.9	-		
	62	258.8	14.7	258.8	258.8	249.4	218.6	185.1	153.0	244.0	16.4	244.0	244.0	238.2	206.2	174.3	142.4		
	57	262.3	14.7	262.3	262.3	256.8	226.5	192.5	160.4	247.7	16.4	247.7	247.7	243.0	211.0	179.1	147.2		
	10000	72	313.2	15.2	232.6	197.9	163.3	128.6	-	-	294.2	17.0	226.0	191.4	156.7	122.1	-	-	
67		290.8	14.9	290.8	250.3	215.6	180.9	146.3	-	270.0	16.7	270.0	240.4	205.7	171.1	136.4	-		
62		267.6	14.7	267.6	267.6	267.6	232.9	198.2	163.6	251.0	16.4	251.0	251.0	251.0	216.3	181.7	147.0		
57		271.3	14.6	271.3	271.3	271.3	236.6	201.9	167.2	254.8	16.4	254.8	254.8	254.8	220.1	185.5	150.8		
		95°F									105°F								
6000	77	274.1	18.8	128.8	105.3	81.8	-	-	-	254.0	21.0	122.0	98.5	75.1	-	-	-		
	72	250.4	18.5	164.6	141.0	117.5	94.0	-	-	233.3	20.6	158.2	134.8	111.3	87.9	-	-		
	67	226.8	18.1	200.3	176.8	153.3	129.8	106.2	-	212.6	20.3	194.5	171.1	147.6	124.2	100.7	-		
	62	213.3	17.8	213.3	213.3	191.2	167.7	144.2	120.7	200.4	20.0	200.4	200.4	181.8	158.3	134.9	111.4		
	57	216.9	17.9	216.9	215.2	191.7	168.1	144.6	121.1	203.4	19.9	203.4	202.5	180.1	156.6	133.2	109.7		
7000	77	280.9	19.0	140.1	113.9	87.8	-	-	-	261.2	21.2	137.6	107.4	81.1	-	-	-		
	72	256.6	18.6	178.5	152.3	126.2	100.0	-	-	239.9	20.8	173.0	146.7	120.3	94.0	-	-		
	67	232.4	18.2	216.9	190.7	164.6	138.4	112.3	-	218.7	20.4	208.5	185.9	159.6	133.2	106.9	-		
	62	218.6	18.0	218.6	218.6	205.3	177.8	153.0	126.9	206.0	20.1	206.0	206.0	196.5	169.4	143.8	117.4		
	57	222.3	18.0	222.3	221.4	205.8	177.8	153.5	127.3	209.1	20.1	209.1	208.7	194.6	167.3	141.9	115.6		
8000	77	287.7	19.1	151.4	122.6	93.8	-	-	-	268.3	21.3	153.2	116.4	87.1	-	-	-		
	72	262.9	18.7	192.4	163.6	134.8	106.1	-	-	246.5	20.9	187.8	158.6	129.3	100.1	-	-		
	67	238.0	18.4	233.5	204.7	175.9	147.1	118.3	-	224.7	20.6	222.4	200.8	171.5	142.3	113.0	-		
	62	223.9	18.1	223.9	223.9	219.4	187.8	161.8	133.0	211.7	20.3	211.7	211.7	211.2	180.5	152.7	123.5		
	57	227.7	18.1	227.7	227.7	219.9	187.4	162.3	133.5	214.8	20.2	214.8	214.8	209.2	178.1	150.7	121.4		
9000	72	269.0	18.8	205.9	174.2	142.5	110.8	-	-	253.1	21.0	202.1	170.0	137.9	105.8	-	-		
	67	243.6	18.4	241.3	217.6	185.9	154.2	122.4	-	230.7	20.6	229.6	214.1	182.8	150.7	118.6	-		
	62	229.2	18.1	229.2	229.2	226.9	193.8	163.5	131.8	217.4	20.3	217.4	217.4	217.1	184.3	152.9	120.8		
	57	233.0	18.2	233.0	233.0	229.1	195.6	165.7	134.0	220.6	20.3	220.6	220.6	217.8	184.8	153.6	121.5		
	10000	72	275.2	18.8	219.5	184.8	150.2	115.5	-	-	259.8	21.0	216.3	181.3	146.4	111.4	-	-	
67		249.2	18.5	249.2	230.5	195.9	161.2	126.6	-	236.8	20.7	236.8	227.4	194.2	159.2	124.2	-		
62		234.4	18.2	234.4	234.4	234.4	199.8	165.1	130.5	223.1	20.4	223.1	223.1	223.1	188.2	153.2	118.2		
57		238.4	18.2	238.4	238.4	238.4	203.7	169.1	134.4	226.4	20.3	226.4	226.4	226.4	191.5	156.5	121.5		

PH-20 / NH-20 (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
6000	77	233.9	23.2	115.1	91.7	68.3	-	-	-	213.8	25.4	108.3	85.0	61.6	-	-	-
	72	216.2	22.8	151.9	128.5	105.1	81.8	-	-	199.1	25.0	145.6	122.3	99.0	75.6	-	-
	67	198.5	22.4	188.7	165.3	141.9	118.6	95.2	-	184.4	24.6	182.9	159.6	136.3	113.0	89.6	-
	62	187.4	22.2	187.4	187.4	172.3	148.9	125.5	102.1	174.5	24.3	174.5	174.5	162.9	139.5	116.2	92.9
	57	189.8	22.0	189.8	189.8	168.5	145.1	121.7	98.3	176.3	24.0	176.3	176.3	156.9	133.6	110.2	86.9
7000	77	241.4	23.4	135.1	100.9	74.4	-	-	-	221.7	25.6	132.6	94.5	67.7	-	-	-
	72	223.2	23.0	167.6	141.0	114.5	87.9	-	-	206.4	25.2	162.1	135.4	108.6	81.9	-	-
	67	204.9	22.6	200.0	181.1	154.6	128.0	101.5	-	191.2	24.8	191.2	176.3	149.5	122.8	96.1	-
	62	193.5	22.3	193.5	193.5	187.6	161.1	134.5	108.0	180.9	24.5	180.9	180.9	178.8	152.7	125.3	98.6
	57	195.9	22.1	195.9	195.9	183.4	156.9	130.4	103.8	182.7	24.1	182.7	182.7	172.3	146.5	118.8	92.1
8000	77	249.0	23.5	155.0	110.2	80.5	-	-	-	229.6	25.7	156.9	103.9	73.8	-	-	-
	72	230.1	23.1	183.2	153.5	123.8	94.1	-	-	213.8	25.3	178.6	148.4	118.3	88.2	-	-
	67	211.3	22.8	211.3	196.8	167.2	137.5	107.8	-	198.0	24.9	198.0	192.9	162.8	132.7	102.5	-
	62	199.5	22.5	199.5	199.5	202.9	173.2	143.5	113.9	187.3	24.7	187.3	187.3	187.3	165.9	134.4	104.3
	57	202.0	22.3	202.0	202.0	198.4	168.7	139.0	109.3	189.2	24.3	189.2	189.2	187.6	159.3	127.4	97.2
9000	72	237.2	23.2	198.2	165.7	133.2	100.7	-	-	221.3	25.4	194.3	161.4	128.6	95.7	-	-
	67	217.8	22.8	217.8	210.6	179.8	147.3	114.9	-	205.0	25.0	205.0	205.0	176.8	143.9	111.1	-
	62	205.7	22.5	205.7	205.7	207.4	174.9	142.4	109.9	193.9	24.7	193.9	193.9	193.9	165.4	131.9	99.0
	57	208.3	22.3	208.3	208.3	206.4	174.0	141.5	109.0	195.9	24.4	195.9	195.9	195.1	163.2	129.4	96.5
10000	72	244.3	23.2	213.2	177.9	142.6	107.3	-	-	228.9	25.4	210.0	174.4	138.8	103.2	-	-
	67	224.4	22.9	224.4	224.4	192.5	157.2	121.9	-	211.9	25.1	211.9	211.9	190.8	155.2	119.6	-
	62	211.8	22.6	211.8	211.8	211.8	176.5	141.3	106.0	200.5	24.8	200.5	200.5	200.5	164.9	129.3	93.7
	57	214.5	22.4	214.5	214.5	214.5	179.2	143.9	108.6	202.6	24.4	202.6	202.6	202.6	167.0	131.4	95.8

¹ These capacities are gross ratings. For net capacity, deduct supply air blower motor, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

² These ratings include the condenser fan motors and the compressor motors but not the supply air blower motor.

PJ-20 / NJ-20

Air on Evaporator Coil		Temperature of Air on Condenser Coil																	
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)							
				Return Dry Bulb (°F)								Return Dry Bulb (°F)							
				90	85	80	75	70	65			90	85	80	75	70	65		
		75°F									85°F								
6000	77	314.8	15.1	142.6	118.0	93.5	-	-	-	300.0	17.0	137.0	112.4	87.8	-	-	-		
	72	285.9	14.8	177.4	152.9	128.3	103.8	-	-	271.7	16.7	171.9	147.4	122.8	98.3	-	-		
	67	257.1	14.5	212.3	187.7	163.2	138.6	114.0	-	243.5	16.4	206.9	182.4	157.8	133.2	108.7	-		
	62	239.1	14.2	239.1	225.1	200.5	175.9	151.4	126.8	227.5	16.1	227.5	219.3	194.7	170.2	145.6	121.1		
	57	239.5	14.3	239.5	237.8	213.3	188.7	164.1	139.6	230.2	16.2	230.2	227.8	203.3	178.7	154.1	129.6		
7000	77	321.1	15.2	154.7	127.4	100.0	-	-	-	305.7	17.1	148.9	121.5	94.1	-	-	-		
	72	291.7	14.9	192.0	164.7	137.3	110.0	-	-	276.9	16.8	186.4	159.0	131.6	104.2	-	-		
	67	262.3	14.6	229.3	201.9	174.6	147.2	119.9	-	248.1	16.5	223.9	196.5	169.1	141.7	114.4	-		
	62	243.9	14.3	243.9	236.9	214.5	188.2	159.8	132.5	231.9	16.2	231.9	227.7	208.7	181.3	154.0	126.6		
	57	244.3	14.5	244.3	243.5	228.2	203.0	173.5	146.1	234.5	16.3	234.5	233.4	217.9	190.5	163.1	135.7		
8000	77	327.5	15.3	166.9	136.7	106.6	-	-	-	311.4	17.2	160.9	130.7	100.5	-	-	-		
	72	297.5	15.0	206.6	176.5	146.3	116.2	-	-	282.1	16.9	200.9	170.7	140.5	110.2	-	-		
	67	267.5	14.8	246.3	216.2	186.0	155.9	125.7	-	252.8	16.6	240.9	210.7	180.5	150.2	120.0	-		
	62	248.8	14.4	248.8	248.8	228.6	200.4	168.3	138.1	236.2	16.2	236.2	236.2	222.7	192.5	162.3	132.1		
	57	249.2	14.6	249.2	249.2	243.2	217.3	182.9	152.7	238.9	16.4	238.9	238.9	232.5	202.2	172.0	141.8		
9000	72	303.3	15.2	219.3	184.7	150.2	115.7	-	-	287.2	17.1	212.0	178.0	144.0	110.1	-	-		
	67	272.7	14.9	262.1	225.5	191.0	156.5	122.0	-	257.4	16.8	251.5	219.1	185.1	151.1	117.1	-		
	62	253.6	14.6	253.6	253.6	234.7	201.2	165.6	131.1	240.5	16.4	240.5	240.5	228.4	194.4	160.4	126.5		
	57	254.0	14.7	254.0	254.0	249.7	217.3	180.6	146.1	243.3	16.6	243.3	243.3	238.4	204.4	170.4	136.4		
	10000	72	309.0	15.4	231.9	193.0	154.1	115.2	-	-	292.4	17.3	223.1	185.4	147.6	109.9	-	-	
67		277.8	15.1	277.8	234.9	196.0	157.1	118.2	-	262.0	17.0	262.0	227.4	189.7	151.9	114.2	-		
62		258.4	14.7	258.4	258.4	240.8	201.9	163.0	124.1	244.8	16.6	244.8	244.8	234.1	196.4	158.6	120.9		
57		258.8	14.9	258.8	258.8	256.2	217.3	178.4	139.5	247.6	16.8	247.6	247.6	244.3	206.6	168.8	131.1		
		95°F									105°F								
6000	77	285.2	18.9	131.3	106.8	82.2	-	-	-	264.8	21.2	126.0	101.4	76.8	-	-	-		
	72	257.5	18.6	166.4	141.9	117.3	92.8	-	-	240.1	20.9	161.0	136.3	111.7	87.1	-	-		
	67	229.9	18.2	201.5	177.0	152.4	127.9	103.3	-	215.3	20.5	195.9	171.3	146.7	122.1	97.5	-		
	62	216.0	18.0	216.0	213.5	189.0	164.4	139.9	115.3	203.2	20.2	203.2	202.0	183.1	158.5	133.9	109.2		
	57	220.8	18.1	220.8	217.8	193.2	168.7	144.1	119.6	209.8	20.4	209.8	206.5	181.9	157.3	132.6	108.0		
7000	77	290.2	19.0	143.1	115.7	88.3	-	-	-	269.2	21.3	142.0	110.2	82.7	-	-	-		
	72	262.1	18.6	180.8	153.4	126.0	98.5	-	-	244.1	20.9	175.3	147.8	120.3	92.8	-	-		
	67	234.0	18.3	218.5	191.1	163.7	136.3	108.8	-	219.0	20.6	208.6	185.4	157.9	130.4	102.9	-		
	62	219.8	18.0	219.8	218.6	202.9	174.5	148.1	120.7	206.6	20.3	206.6	206.0	197.1	169.1	142.1	114.6		
	57	224.7	18.2	224.7	223.2	207.5	177.9	152.6	125.2	213.3	20.5	213.3	211.7	195.8	167.2	140.8	113.3		
8000	77	295.2	19.0	154.9	124.6	94.3	-	-	-	273.7	21.4	158.1	119.0	88.5	-	-	-		
	72	266.6	18.7	195.2	164.9	134.6	104.3	-	-	248.1	21.0	189.7	159.3	128.9	98.4	-	-		
	67	238.0	18.4	235.5	205.2	174.9	144.6	114.3	-	222.6	20.7	221.3	199.6	169.2	138.8	108.3	-		
	62	223.6	18.1	223.6	223.6	216.9	184.6	156.3	126.0	210.0	20.4	210.0	210.0	211.2	179.7	150.3	119.9		
	57	228.6	18.3	228.6	228.6	221.8	187.2	161.2	130.9	216.9	20.6	216.9	216.9	209.7	177.2	148.9	118.5		
9000	72	271.1	19.0	204.8	171.3	137.9	104.4	-	-	252.2	21.2	199.3	165.7	132.2	98.6	-	-		
	67	242.1	18.6	240.8	212.6	179.1	145.7	112.3	-	226.2	20.9	225.6	207.1	173.6	140.0	106.4	-		
	62	227.4	18.3	227.4	227.4	222.1	187.7	155.2	121.8	213.4	20.6	213.4	213.4	213.0	179.0	145.9	112.4		
	57	232.5	18.5	232.5	232.5	227.1	191.5	160.2	126.8	220.4	20.8	220.4	220.4	215.2	180.5	148.0	114.5		
	10000	72	275.7	19.2	214.3	177.7	141.1	104.5	-	-	256.2	21.5	208.9	172.2	135.5	98.8	-	-	
67		246.1	18.8	246.1	219.9	183.4	146.8	110.2	-	229.8	21.1	229.8	214.6	177.9	141.2	104.6	-		
62		231.2	18.6	231.2	231.2	227.3	190.8	154.2	117.6	216.8	20.8	216.8	216.8	214.9	178.2	141.5	104.8		
57		236.4	18.7	236.4	236.4	232.5	195.9	159.3	122.7	223.9	21.0	223.9	223.9	220.6	183.9	147.2	110.5		

PJ-20 / NJ-20 (Continued)

Air on Evaporator Coil		Temperature of Air on Condenser Coil															
CFM	WB (°F)	Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)						Total Capacity ¹ (MBh)	Total Input (kW) ²	Sensible Capacity (MBh)					
				Return Dry Bulb (°F)								Return Dry Bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
6000	77	244.4	23.6	120.7	96.0	71.4	-	-	-	224.0	25.9	115.4	90.7	65.9	-	-	-
	72	222.6	23.2	155.5	130.8	106.2	81.5	-	-	205.1	25.5	150.0	125.3	100.6	75.8	-	-
	67	200.8	22.8	190.3	165.6	140.9	116.3	91.6	-	186.2	25.1	184.7	159.9	135.2	110.5	85.7	-
	62	190.4	22.5	190.4	190.4	177.2	152.5	127.8	103.2	177.6	24.8	177.6	177.6	171.3	146.5	121.8	97.1
	57	198.8	22.8	198.8	195.2	170.5	145.8	121.2	96.5	187.8	25.1	187.8	183.9	159.2	134.4	109.7	85.0
7000	77	248.3	23.6	140.9	104.7	77.1	-	-	-	227.3	25.9	139.8	99.1	71.4	-	-	-
	72	226.1	23.2	169.8	142.2	114.6	87.0	-	-	208.1	25.5	164.3	136.6	108.9	81.3	-	-
	67	204.0	22.9	198.7	179.8	152.2	124.6	97.0	-	188.9	25.2	188.8	174.1	146.4	118.7	91.1	-
	62	193.4	22.6	193.4	193.4	191.3	163.7	136.1	108.5	180.2	24.8	180.2	180.2	180.2	158.3	130.1	102.4
	57	201.9	22.8	201.9	200.1	184.1	156.5	128.9	101.3	190.6	25.1	190.6	188.6	172.4	145.8	117.0	89.3
8000	77	252.1	23.7	161.2	113.3	82.7	-	-	-	230.6	26.0	164.3	107.6	76.9	-	-	-
	72	229.6	23.3	184.1	153.6	123.1	92.5	-	-	211.1	25.6	178.6	148.0	117.3	86.7	-	-
	67	207.1	22.9	207.1	194.0	163.4	132.9	102.4	-	191.7	25.2	191.7	188.3	157.7	127.0	96.4	-
	62	196.4	22.6	196.4	196.4	205.4	174.9	144.4	113.8	182.8	24.9	182.8	182.8	182.8	170.1	138.4	107.8
	57	205.1	22.9	205.1	205.1	197.7	167.2	136.6	106.1	193.3	25.2	193.3	193.3	185.7	157.2	124.4	93.7
9000	72	233.2	23.5	193.9	160.2	126.5	92.8	-	-	214.2	25.8	188.4	154.6	120.8	87.0	-	-
	67	210.3	23.2	210.3	201.6	168.0	134.3	100.6	-	194.5	25.5	194.5	194.5	162.4	128.6	94.8	-
	62	199.4	22.8	199.4	199.4	203.9	170.3	136.6	102.9	185.4	25.1	185.4	185.4	185.4	161.6	127.3	93.5
	57	208.3	23.1	208.3	208.3	203.2	169.5	135.9	102.2	196.1	25.4	196.1	196.1	191.3	158.5	123.7	89.9
10000	72	236.7	23.8	203.6	166.8	129.9	93.1	-	-	217.2	26.1	198.2	161.3	124.3	87.4	-	-
	67	213.5	23.4	213.5	209.3	172.5	135.7	98.9	-	197.2	25.7	197.2	197.2	167.1	130.2	93.2	-
	62	202.5	23.1	202.5	202.5	202.5	165.6	128.8	92.0	188.1	25.4	188.1	188.1	188.1	153.1	116.1	79.2
	57	211.4	23.4	211.4	211.4	208.7	171.9	135.1	98.3	198.9	25.7	198.9	198.9	196.8	159.9	123.0	86.0

¹ These capacities are gross ratings. For net capacity, deduct supply air blower motor, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

² These ratings include the condenser fan motors and the compressor motors but not the supply air blower motor.

Heat Pump And Air Handler Heating Capacities

PH-07 / NH-07

Air Over Evaporator Coil		Capacity ¹ & kW	Outdoor Temperature (°F @ 72% RH)							
CFM	DB (°F)		-10	0	10	20	30	40	50	60
2250	55	MBH	34.0	39.6	46.2	53.9	62.9	73.5	86.0	100.6
		KW	4.9	5.3	5.6	6.0	6.3	6.7	7.0	7.3
	70	MBH	31.0	36.6	43.2	50.9	60.0	70.6	83.0	97.6
		KW	5.8	6.1	6.5	6.8	7.1	7.5	7.8	8.2
	80	MBH	28.7	34.3	40.9	48.6	57.7	68.3	80.7	95.3
		KW	6.4	6.8	7.1	7.4	7.8	8.1	8.5	8.8
3000	55	MBH	35.3	40.9	47.5	55.2	64.3	74.9	87.3	101.9
		KW	4.7	5.1	5.4	5.8	6.1	6.5	6.8	7.1
	70	MBH	32.4	38.0	44.5	52.3	61.3	71.9	84.4	99.0
		KW	5.6	5.9	6.3	6.6	6.9	7.3	7.6	8.0
	80	MBH	30.1	35.7	42.3	50.0	59.0	69.6	82.1	96.7
		KW	6.2	6.5	6.9	7.2	7.6	7.9	8.3	8.6
3750	55	MBH	36.6	42.2	48.8	56.5	65.6	76.2	88.6	103.2
		KW	5.2	5.6	5.9	6.3	6.6	7.0	7.3	7.6
	70	MBH	33.7	39.3	45.8	53.6	62.6	73.2	85.7	100.3
		KW	6.1	6.4	6.8	7.1	7.4	7.8	8.1	8.5
	80	MBH	31.4	37.0	43.6	51.3	60.3	70.9	83.4	98.0
		KW	6.7	7.0	7.4	7.7	8.1	8.4	8.8	9.1

¹ These capacities do not include the supply air blower motor heat. For net capacity, add motor heat, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

PH-10 / NH-10

Air Over Evaporator Coil		Capacity ¹ & kW	Outdoor Temperature (°F @ 72% RH)							
CFM	DB (°F)		-10	0	10	20	30	40	50	60
3000	55	MBH	29.1	36.4	45.3	56.0	69.0	84.7	103.8	126.8
		KW	6.9	7.3	7.6	8.0	8.3	8.7	9.1	9.4
	70	MBH	26.3	33.6	42.4	53.1	66.1	81.8	100.9	124.0
		KW	8.2	8.6	8.9	9.3	9.7	10.0	10.4	10.7
	80	MBH	24.2	31.5	40.4	51.1	64.1	79.8	98.8	121.9
		KW	9.2	9.6	10.0	10.3	10.7	11.1	11.4	11.8
4000	55	MBH	37.4	44.7	53.5	64.3	77.2	93.0	112.0	135.1
		KW	6.7	7.1	7.4	7.8	8.1	8.5	8.9	9.2
	70	MBH	34.5	41.8	50.7	61.4	74.4	90.1	109.2	132.2
		KW	8.0	8.4	8.7	9.1	9.5	9.8	10.2	10.6
	80	MBH	32.5	39.8	48.6	59.3	72.3	88.0	107.1	130.2
		KW	9.0	9.4	9.8	10.1	10.5	10.9	11.2	11.6
5000	55	MBH	44.1	51.4	60.3	71.0	84.0	99.7	118.7	141.8
		KW	6.9	7.2	7.6	8.0	8.3	8.7	9.0	9.4
	70	MBH	41.3	48.6	57.4	68.1	81.1	96.8	115.9	138.9
		KW	8.2	8.6	8.9	9.3	9.6	10.0	10.4	10.7
	80	MBH	39.2	46.5	55.3	66.1	79.0	94.8	113.8	136.9
		KW	9.2	9.6	9.9	10.3	10.7	11.0	11.4	11.7

¹ These capacities do not include the supply air blower motor heat. For net capacity, add motor heat, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

PH-15 / NH-15

Air Over Evaporator Coil		Capacity ¹ & kW	Outdoor Temperature (°F @ 72% RH)							
CFM	DB (°F)		-10	0	10	20	30	40	50	60
4500	55	MBH	68.2	80.0	93.8	110.0	129.1	151.5	177.8	208.7
		KW	11.8	12.2	12.7	13.2	13.7	14.1	14.6	15.1
	70	MBH	61.5	73.2	87.0	103.2	122.3	144.7	171.0	201.9
		KW	13.5	14.0	14.4	14.9	15.4	15.9	16.3	16.8
	80	MBH	57.6	69.3	83.1	99.3	118.4	140.8	167.1	198.0
		KW	15.0	15.5	16.0	16.4	16.9	17.4	17.9	18.3
6000	55	MBH	74.0	85.8	99.6	115.8	134.9	157.3	183.6	214.5
		KW	11.2	11.7	12.2	12.6	13.1	13.6	14.1	14.6
	70	MBH	67.3	79.0	92.8	109.0	128.1	150.5	176.8	207.7
		KW	12.9	13.4	13.9	14.4	14.8	15.3	15.8	16.3
	80	MBH	63.4	75.1	88.9	105.1	124.2	146.6	172.9	203.8
		KW	14.5	14.9	15.4	15.9	16.4	16.8	17.3	17.8
7500	55	MBH	72.4	84.1	97.9	114.1	133.2	155.6	181.9	212.8
		KW	12.0	12.5	13.0	13.4	13.9	14.4	14.9	15.4
	70	MBH	65.6	77.3	91.1	107.4	126.4	148.8	175.1	206.0
		KW	13.7	14.2	14.7	15.2	15.6	16.1	16.6	17.1
	80	MBH	61.7	73.4	87.3	103.5	122.5	144.9	171.2	202.1
		KW	15.3	15.7	16.2	16.7	17.2	17.6	18.1	18.6

¹ These capacities do not include the supply air blower motor heat. For net capacity, add motor heat, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

PJ-15 / NJ-15

Air Over Evaporator Coil		Capacity ¹ & kW	Outdoor Temperature (°F @ 72% RH)							
CFM	DB (°F)		-10	0	10	20	30	40	50	60
4500	55	MBH	65.6	77.0	90.3	105.8	123.9	145.1	169.7	198.5
		KW	10.0	10.5	11.1	11.6	12.2	12.7	13.3	13.8
	70	MBH	62.2	73.6	86.9	102.4	120.5	141.6	166.3	195.1
		KW	12.0	12.5	13.1	13.6	14.2	14.7	15.3	15.8
	80	MBH	59.5	70.9	84.1	99.7	117.8	138.9	163.6	192.4
		KW	13.4	13.9	14.5	15.0	15.6	16.1	16.7	17.2
6000	55	MBH	71.6	83.0	96.3	111.8	129.9	151.0	175.7	204.5
		KW	9.6	10.2	10.7	11.3	11.8	12.4	12.9	13.4
	70	MBH	68.1	79.5	92.8	108.3	126.5	147.6	172.3	201.1
		KW	11.6	12.2	12.7	13.3	13.8	14.3	14.9	15.4
	80	MBH	65.4	76.8	90.1	105.6	123.7	144.9	169.6	198.3
		KW	13.0	13.6	14.1	14.7	15.2	15.8	16.3	16.9
7500	55	MBH	74.0	85.4	98.7	114.2	132.4	153.5	178.2	207.0
		KW	11.3	11.8	12.4	12.9	13.5	14.0	14.6	15.1
	70	MBH	70.6	82.0	95.3	110.8	128.9	150.1	174.7	203.5
		KW	13.3	13.8	14.4	14.9	15.5	16.0	16.6	17.1
	80	MBH	67.9	79.3	92.6	108.1	126.2	147.4	172.0	200.8
		KW	14.7	15.3	15.8	16.4	16.9	17.5	18.0	18.5

¹ These capacities do not include the supply air blower motor heat. For net capacity, add motor heat, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

PH-20 / NH-20

Air Over Evaporator Coil		Capacity ¹ & kW	Outdoor Temperature (°F @ 72% RH)							
CFM	DB (°F)		-10	0	10	20	30	40	50	60
6000	55	MBH	84.3	98.8	115.6	135.0	157.4	183.2	212.9	247.3
		KW	13.7	14.4	15.2	15.9	16.6	17.3	18.1	18.8
	70	MBH	90.0	104.5	121.3	140.7	163.1	188.8	218.6	253.0
		KW	16.1	16.8	17.6	18.3	19.0	19.7	20.5	21.2
	80	MBH	88.3	102.8	119.6	139.0	161.3	187.1	216.9	251.2
		KW	17.8	18.5	19.3	20.0	20.7	21.5	22.2	22.9
8000	55	MBH	88.8	103.4	120.2	139.5	161.9	187.7	217.4	251.8
		KW	13.2	13.9	14.7	15.4	16.1	16.8	17.6	18.3
	70	MBH	94.5	109.1	125.8	145.2	167.6	193.4	223.1	257.5
		KW	15.6	16.3	17.0	17.8	18.5	19.2	19.9	20.7
	80	MBH	92.8	107.3	124.1	143.5	165.9	191.6	221.4	255.8
		KW	17.3	18.0	18.8	19.5	20.2	20.9	21.7	22.4
9000	55	MBH	92.3	106.8	123.6	143.0	165.3	191.1	220.9	255.2
		KW	14.5	15.3	16.0	16.7	17.4	18.2	18.9	19.6
	70	MBH	97.9	112.5	129.3	148.7	171.0	196.8	226.6	260.9
		KW	16.9	17.7	18.4	19.1	19.8	20.6	21.3	22.0
	80	MBH	96.2	110.8	127.6	146.9	169.3	195.1	224.8	259.2
		KW	18.7	19.4	20.1	20.8	21.6	22.3	23.0	23.7

¹ These capacities do not include the supply air blower motor heat. For net capacity, add motor heat, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

PJ-20 / NJ-20

Air Over Evaporator Coil		Capacity ¹ & kW	Outdoor Temperature (°F @ 72% RH)							
CFM	DB (°F)		-10	0	10	20	30	40	50	60
6000	55	MBH	64.6	79.5	97.4	118.8	144.3	174.9	211.4	255.1
		KW	15.7	16.5	17.3	18.1	19.0	19.8	20.6	21.4
	70	MBH	69.5	84.4	102.3	123.7	149.2	179.8	216.3	260.0
		KW	15.4	16.2	17.0	17.9	18.7	19.5	20.3	21.2
	80	MBH	63.3	78.3	96.2	117.5	143.1	173.6	210.2	253.8
		KW	17.2	18.0	18.8	19.6	20.5	21.3	22.1	23.0
8000	55	MBH	71.6	86.6	104.5	125.8	151.4	181.9	218.5	262.1
		KW	15.1	15.9	16.8	17.6	18.4	19.2	20.1	20.9
	70	MBH	76.5	91.5	109.4	130.7	156.3	186.8	223.4	267.0
		KW	14.8	15.6	16.5	17.3	18.1	19.0	19.8	20.6
	80	MBH	70.4	85.3	103.2	124.6	150.1	180.7	217.2	260.9
		KW	16.6	17.4	18.3	19.1	19.9	20.7	21.6	22.4
10000	55	MBH	73.3	88.3	106.1	127.5	153.1	183.6	220.1	263.8
		KW	15.3	16.1	17.0	17.8	18.6	19.4	20.3	21.1
	70	MBH	78.2	93.2	111.0	132.4	158.0	188.5	225.0	268.7
		KW	15.0	15.8	16.7	17.5	18.3	19.1	20.0	20.8
	80	MBH	72.1	87.0	104.9	126.3	151.8	182.4	218.9	262.6
		KW	16.8	17.6	18.5	19.3	20.1	20.9	21.8	22.6

¹ These capacities do not include the supply air blower motor heat. For net capacity, add motor heat, MBh. Example: Refer to the appropriate Blower Performance Table for the BHP of the supply air blower motor, MBh = 3.415 x kW and kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

Airflow Performance

NH-07 Upflow and Horizontal Airflow Performance

NH-07 Upflow

(CFM)	Available External Static Pressure - IWG																					
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0			
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP		
	Std. 1.5 HP & Field Supplied Drive				Standard 1.5 HP & Drive						High Static 2 HP & Drive											
2250					754	0.8	828	0.9	902	1.0	988	1.1	1051	1.3	1116	1.4	1183	1.5				
2500			707	0.8	777	0.9	851	1.0	925	1.1	996	1.3	1059	1.4	1124	1.5	1191	1.7				
2750			735	0.9	805	1.1	879	1.2	953	1.3	1012	1.4	1076	1.6	1141	1.7						
3000	705	1.0	767	1.1	837	1.2	911	1.3	973	1.5	1035	1.6	1099	1.7	1164	1.9						
3250	741	1.1	802	1.3	872	1.4	947	1.5	1002	1.7	1064	1.8	1127	2.0								
3500	780	1.4	842	1.5	912	1.6	974	1.8	1035	1.9	1097	2.1	1161	2.2								
3750	823	1.6	884	1.7	954	1.9	1012	2.0	1072	2.2	1134	2.3	Exceeds BHP Limitations									

1. Airflow performance includes dry evaporator coil. See Static Resistance table for additional applications.
2. See RPM Selection table to determine desired motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

NH-07 Horizontal

(CFM)	Available External Static Pressure - IWG																					
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0			
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP		
	Std. 1.5 HP & Field Supplied Drive				Standard 1.5 HP & Drive						High Static 2 HP & Drive											
2250					747	0.8	816	0.9	889	1.0	954	1.2	1013	1.3	1071	1.5	1128	1.6				
2500			703	0.8	768	0.9	837	1.0	909	1.1	977	1.2	1036	1.4	1094	1.5	1151	1.7				
2750			728	0.9	793	1.0	862	1.1	934	1.2	998	1.4	1056	1.5	1114	1.7						
3000	696	0.9	757	1.1	822	1.2	891	1.3	961	1.4	1019	1.6	1077	1.7	1135	1.9						
3250	729	1.1	790	1.3	855	1.4	924	1.5	984	1.6	1042	1.8	1100	1.9	1159	2.1						
3500	766	1.3	826	1.5	892	1.6	953	1.6	1010	1.9	1069	2.0	1127	2.2	Exceeds BHP Limitations							
3750	806	1.6	867	1.7	932	1.8	984	1.9	1041	2.1	1099	2.3	Exceeds BHP Limitations									

1. Airflow performance includes dry evaporator coil. See Static Resistance table for additional applications.
2. See RPM Selection table to determine desired motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

NH/NJ-10 Upflow and Horizontal Airflow Performance

NH/NJ-10 Upflow

(CFM)	Available External Static Pressure - IWG																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Std. 2 HP & Field Supplied Drive				Standard 2 HP & Drive								High Static 3 HP & Drive							
2500					671	0.8	728	0.9	788	1.0	853	1.1	926	1.3	975	1.5	1026	1.6	1077	1.7
2750					684	0.9	741	1.0	801	1.1	866	1.2	933	1.4	982	1.6	1032	1.7	1084	1.8
3000					701	1.0	757	1.1	817	1.3	882	1.4	941	1.5	991	1.7	1041	1.8	1092	2.0
3250							664	1.0	719	1.1	776	1.3	836	1.4	903	1.5	952	1.7	1002	1.8
3500					685	1.1	741	1.3	797	1.4	858	1.5	917	1.7	966	1.9	1015	2.0	1066	2.2
3750	653	1.1	709	1.3	764	1.4	821	1.6	884	1.7	933	1.9	982	2.0	1031	2.2	1082	2.3		
4000	679	1.3	735	1.5	790	1.6	847	1.8	903	1.9	952	2.1	1001	2.3	1050	2.4				
4250	707	1.5	762	1.6	818	1.8	875	1.9	924	2.1	973	2.3	1022	2.5	1072	2.7				
4500	737	1.7	792	1.9	850	2.0	899	2.2	948	2.4	997	2.6	1046	2.8						
4750	768	1.9	824	2.1	877	2.2	926	2.5	975	2.7	1024	2.9	1073	3.0						
5000	801	2.1	856	2.3	906	2.5	956	2.8	1005	3.0	1053	3.2	High Static 3 HP & Field Supplied Drive							

1. Airflow performance includes dry evaporator coil. See Static Resistance table for additional applications.
2. See RPM Selection table to determine desired motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

NH/NJ-10 Horizontal

(CFM)	Available External Static Pressure - IWG																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Std. 2 HP & Field Supplied Drive				Standard 2 HP & Drive								High Static 3 HP & Drive							
2500					686	0.8	730	0.9	778	0.9	840	1.0	917	1.3	964	1.5	1011	1.6	1060	1.7
2750					698	0.9	742	1.0	790	1.0	852	1.1	924	1.4	971	1.6	1019	1.7	1067	1.9
3000					714	1.0	758	1.1	806	1.1	868	1.2	935	1.6	981	1.7	1029	1.9	1078	2.0
3250							684	1.0	734	1.2	778	1.2	826	1.3	902	1.6	948	1.7	995	1.9
3500					707	1.2	757	1.3	801	1.4	849	1.4	917	1.7	964	1.9	1010	2.0	1058	2.2
3750	669	1.2	734	1.4	784	1.5	828	1.6	890	1.7	936	1.9	982	2.1	1029	2.2	1076	2.4		
4000	699	1.4	764	1.6	814	1.7	858	1.8	910	2.0	956	2.1	1002	2.3	1049	2.4				
4250	732	1.6	798	1.8	847	1.9	887	2.0	933	2.2	978	2.4	1025	2.5	1071	2.7				
4500	769	1.8	834	2.0	884	2.1	911	2.3	957	2.4	1003	2.6	1049	2.8						
4750	808	2.1	874	2.3	891	2.3	937	2.5	983	2.7	1029	2.9	1075	3.1						
5000	850	2.3	873	2.4	919	2.6	965	2.8	1011	3.0	1057	3.2	High Static 3 HP & Field Supplied Drive							

1. Airflow performance includes dry evaporator coil. See Static Resistance table for additional applications.
2. See RPM Selection table to determine desired motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

NH/NJ-15 Upflow and Horizontal Airflow Performance

NH/NJ-15 Upflow

(CFM)	Available External Static Pressure - IWG																	
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4500 4750 5000 5250 5500 5750 6000 6250 6500 6750 7000 7250 7500	Std. 3 HP & Field Supplied Drive				Standard 3 HP & Drive						High Static 5 HP & Drive							
					583	1.1	634	1.3	688	1.5	738	1.9	782	2.3	827	2.6		
					592	1.2	643	1.4	700	1.8	744	2.1	788	2.4	833	2.7		
					602	1.2	653	1.4	707	1.9	751	2.2	795	2.6	840	2.9		
					613	1.3	664	1.5	716	2.1	759	2.4	804	2.7	848	3.1		
			577	1.1	625	1.4	676	1.6	725	2.3	768	2.6	813	2.9	857	3.2		
			590	1.2	638	1.4	689	1.7	735	2.5	778	2.8	822	3.1				
			603	1.3	651	1.6	702	2.3	745	2.7	789	3.0	833	3.3				
			617	1.5	664	1.7	714	2.6	757	2.9	801	3.2	845	3.5				
	587	1.4	631	1.6	679	1.8	726	2.8	769	3.1	813	3.4	857	3.8				
	601	1.6	645	1.8	693	2.0	739	3.0	782	3.4	826	3.7						
	616	1.8	660	2.0	710	2.9	753	3.3	796	3.6	839	3.9						
	632	2.1	675	2.3	725	3.2	767	3.6	810	3.9	854	4.2						
647	2.3	691	2.5	740	3.5	782	3.9	825	4.2	High Static 5 HP & Field Supplied Drive								

1. Airflow performance includes dry evaporator coil. See Static Resistance table for additional applications.
2. See RPM Selection table to determine desired motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

NH/NJ-15 Horizontal

(CFM)	Available External Static Pressure - IWG																	
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Std. 3 HP & Field Supplied Drive				Standard 3 HP & Drive								High Static 5 HP & Drive					
4500					585	1.5	634	1.6	687	1.8	735	2.0	780	2.5	827	2.7	875	2.9
4750					595	1.6	644	1.7	697	1.9	741	2.4	787	2.7	834	2.9		
5000					605	1.7	655	1.8	708	2.0	749	2.6	795	2.9	842	3.1		
5250					617	1.8	666	2.0	719	2.1	757	2.8	804	3.1	851	3.3		
5500			582	1.8	629	1.9	678	2.1	731	2.3	767	3.0	813	3.2	860	3.4		
5750			594	1.9	642	2.1	691	2.2	737	2.4	778	3.2	824	3.4	871	3.7		
6000			608	2.1	655	2.2	705	2.4	744	3.1	789	3.4	835	3.7				
6250			622	2.2	670	2.4	719	2.6	756	3.3	801	3.6	847	3.9				
6500	589	2.2	637	2.4	684	2.6	733	2.7	769	3.6	814	3.9	860	4.1				
6750	604	2.4	652	2.6	699	2.8	738	3.5	782	3.8	827	4.1	873	4.4				
7000	620	2.6	667	2.8	715	3.0	752	3.8	796	4.1	841	4.4						
7250	636	2.8	683	3.0	731	3.2	766	4.1	811	4.4	856	4.7						
7500	652	3.0	700	3.2	738	4.0	781	4.4	825	4.7	High Static 5 HP & Field Supplied Drive							

1. Airflow performance includes dry evaporator coil. See Static Resistance table for additional applications.
2. See RPM Selection table to determine desired motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

NH/NJ-20 Upflow and Horizontal Airflow Performance

NH/NJ-20 Upflow

(CFM)	Available External Static Pressure - IWG																							
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0		2.2			
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP		
6000 6250 6500 6750 7000 7250 7500 7750 8000 8250 8500 8750 9000 9250 9500 9750 10000	Std. 5 HP & Field Supplied Drive				High Static 5 HP & Drive								High Static 7.5 HP & Drive											
					732	2.2	789	2.6	846	2.9	900	3.1	959	4.0	1008	4.5	1056	4.9	1102	5.2	1146	5.3		
					685	1.9	742	2.3	799	2.7	856	3.0	910	3.3	967	4.2	1016	4.7	1064	5.1	1110	5.4	1154	5.5
					696	2.1	752	2.5	809	2.8	866	3.2	920	3.4	976	4.4	1025	4.9	1072	5.3	1118	5.6		
					706	2.2	763	2.6	820	3.0	877	3.3	935	4.0	985	4.6	1034	5.1	1081	5.5	1127	5.8		
					718	2.4	774	2.8	831	3.2	888	3.5	945	4.2	994	4.8	1043	5.3	1091	5.7	1137	6.0		
					729	2.6	786	3.0	843	3.3	900	3.6	954	4.5	1004	5.0	1053	5.5	1100	5.9	1146	6.2		
					741	2.8	798	3.1	855	3.5	912	3.8	965	4.7	1014	5.3	1063	5.8	1111	6.2				
	700	2.6	754	2.9	810	3.3	868	3.7	925	4.3	975	4.9	1025	5.5	1074	6.0	1121	6.4						
	712	2.8	767	3.1	823	3.5	881	3.9	936	4.6	986	5.2	1036	5.8	1085	6.3	1132	6.7						
	726	3.0	780	3.3	837	3.7	894	4.1	948	4.9	998	5.5	1047	6.0	1096	6.5	1144	6.9						
	740	3.2	794	3.6	850	3.9	908	4.3	959	5.1	1010	5.8	1059	6.3	1108	6.8								
	754	3.4	808	3.8	865	4.2	922	4.8	972	5.4	1022	6.0	1071	6.6	1120	7.1								
	768	3.6	823	4.0	879	4.4	934	5.1	984	5.7	1034	6.4	1084	6.9	1133	7.4								
783	3.9	838	4.3	894	4.6	947	5.4	997	6.1	1047	6.7	1097	7.2											
799	4.1	853	4.5	910	4.9	961	5.8	1011	6.4	1061	7.0	1110	7.6											
815	4.4	869	4.8	925	5.5	974	6.1	1024	6.7	1074	7.3	1124	7.9											
831	4.7	885	5.0	939	5.9	988	6.5	1038	7.1	1088	7.7	1138	8.3	High Static 7.5 HP & Field Supplied Drive										

1. Airflow performance includes dry evaporator coil. See Static Resistance table for additional applications.
2. See RPM Selection table to determine desired motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

NH/NJ-20 Horizontal

(CFM)	Available External Static Pressure - IWG																					
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0		2.2	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6000 6250 6500 6750 7000 7250 7500 7750 8000 8250 8500 8750 9000 9250 9500 9750 10000	Std. 5 HP & Field Supplied Drive		Standard 5 HP & Drive										High Static 7.5 HP & Drive									
			708	2.0	754	2.3	801	2.6	849	2.8	898	2.9	976	4.0	1021	4.4	1066	4.8	1111	5.1	1155	5.3
			715	2.1	761	2.4	808	2.7	856	2.9	906	3.0	984	4.2	1029	4.6	1074	5.0	1118	5.3	1163	5.5
			723	2.3	769	2.6	816	2.8	864	3.0	917	3.9	991	4.4	1036	4.8	1081	5.2	1126	5.4		
			731	2.4	777	2.7	824	3.0	872	3.2	925	4.1	999	4.6	1044	5.0	1089	5.3	1134	5.6		
			740	2.5	786	2.8	833	3.1	881	3.3	933	4.3	1007	4.7	1052	5.2	1097	5.5	1142	5.8		
			749	2.7	796	3.0	842	3.3	890	3.5	939	4.5	1015	4.9	1060	5.3	1105	5.7	1150	6.0		
			759	2.9	806	3.2	852	3.4	900	3.6	949	4.7	1024	5.1	1069	5.5	1114	5.9	1158	6.2		
			770	3.0	816	3.3	863	3.6	915	4.4	968	4.9	1033	5.3	1078	5.8	1123	6.1				
			781	3.2	827	3.5	874	3.8	924	4.6	978	5.1	1042	5.5	1087	6.0	1132	6.3				
	793	3.4	839	3.7	886	4.0	936	4.8	989	5.3	1052	5.8	1096	6.2	1141	6.5						
	805	3.6	851	3.9	898	4.2	947	5.1	1001	5.6	1062	6.0	1107	6.4	1152	6.8						
	818	3.8	864	4.1	912	4.8	964	5.3	1018	5.8	1072	6.3	1117	6.7								
	831	4.1	878	4.4	925	5.1	975	5.6	1029	6.1	1083	6.5	1128	6.9								
	845	4.3	893	4.9	946	5.4	1000	5.9	1050	6.3	1094	6.8	1139	7.2								
859	4.6	935	5.2	976	5.7	1018	6.2	1062	6.6	1106	7.1	1151	7.5									
908	5.1	947	5.5	988	6.0	1030	6.5	1074	6.9	1118	7.4	High Static 7.5 HP & Field Supplied Drive										
921	5.4	960	5.8	1001	6.3	1043	6.8	1087	7.3	1131	7.7											

1. Airflow performance includes dry evaporator coil. See Static Resistance table for additional applications.
2. See RPM Selection table to determine desired motor sheave setting and to determine the maximum continuous BHP.
3. kW = BHP x 0.746 ÷ nameplate rated motor efficiency.

RPM Selection

Unit Model		HP	Max BHP	Motor Sheave	Blower Sheave	6 Turns Open	5 Turns Open	4 Turns Open	3 Turns Open	2 Turns Open	1 Turn Open	Fully Closed
NH-07	Std.	1.5	1.73	1VL40	AK69	N/A	690	743	796	849	902	955
	HS	2	2.30	1VL40	AK56	N/A	863	929	995	1062	1128	1194
NH/NJ-10	Std.	2	2.30	1VL40	AK74	N/A	641	690	739	789	838	887
	HS	3	3.45	1VP56	AK84	N/A	906	949	992	1035	1078	1121
NH/NJ-15	Std.	3	3.45	1VP50	AK114	N/A	565	596	627	659	690	721
	HS	5	5.75	2VP50	2B5V94	707	745	782	819	856	894	N/A
NH/NJ-20	Std.	5	5.75	2VP50	2B5V94	686	722	758	794	830	866	N/A
	HS	7.5	8.63	2VP65	2B5V94	925	960	996	1031	1067	1103	1138

Additional Static Resistance

Model	CFM	Wet Indoor ¹ Coil	2" Filters	Electric Heat kW				
				10	16	26	36	50
NH-07	2250	0.03	0.10	0.01	0.02	0.03	0.04	---
	2500	0.03	0.11	0.01	0.02	0.03	0.05	---
	2750	0.02	0.11	0.01	0.03	0.04	0.07	---
	3000	0.02	0.12	0.01	0.03	0.05	0.08	---
	3250	0.01	0.13	0.02	0.04	0.06	0.09	---
	3500	0.00	0.14	0.02	0.04	0.07	0.10	---
	3750	0.00	0.15	0.02	0.05	0.08	0.12	---
NH/NJ-10	3000	0.08	0.12	0.01	0.03	0.05	0.08	---
	3250	0.07	0.13	0.02	0.04	0.06	0.09	---
	3500	0.07	0.14	0.02	0.04	0.07	0.10	---
	3750	0.06	0.15	0.02	0.05	0.08	0.12	---
	4000	0.05	0.16	0.03	0.06	0.09	0.14	---
	4250	0.04	0.18	0.03	0.06	0.10	0.15	---
	4500	0.03	0.19	0.03	0.07	0.11	0.17	---
	4750	0.02	0.21	0.04	0.08	0.13	0.19	---
NH/NJ-15	5000	0.00	0.23	0.04	0.09	0.14	0.21	---
	4500	0.07	0.11	0.03	0.07	0.11	0.17	0.21
	4750	0.06	0.11	0.04	0.08	0.13	0.19	0.22
	5000	0.06	0.11	0.04	0.09	0.14	0.21	0.24
	5250	0.06	0.12	0.05	0.10	0.15	0.23	0.26
	5500	0.05	0.12	0.05	0.11	0.17	0.25	0.29
	5750	0.05	0.12	0.06	0.12	0.19	0.28	0.32
	6000	0.05	0.13	0.06	0.13	0.20	0.30	0.35
	6250	0.04	0.14	0.07	0.14	0.22	0.33	0.38
	6500	0.03	0.14	0.07	0.15	0.24	0.35	0.42
	6750	0.03	0.15	0.08	0.17	0.26	0.38	0.47
	7000	0.02	0.16	0.08	0.18	0.28	0.41	0.50
	7250	0.01	0.16	0.09	0.19	0.30	0.44	0.53
	7500	0.00	0.17	0.10	0.20	0.32	0.47	0.56

Model	CFM	Wet Indoor Coil	2" Filters	Electric Heat kW		
				20	32	52
NH/NJ-20	6000	0.08	0.12	0.01	0.03	0.05
	6250	0.08	0.13	0.02	0.03	0.05
	6500	0.08	0.13	0.02	0.04	0.06
	6750	0.07	0.14	0.02	0.04	0.06
	7000	0.07	0.14	0.02	0.04	0.07
	7250	0.06	0.15	0.02	0.05	0.07
	7500	0.06	0.16	0.02	0.05	0.08
	7750	0.05	0.16	0.02	0.05	0.08
	8000	0.05	0.17	0.03	0.06	0.09
	8250	0.04	0.18	0.03	0.06	0.09
	8500	0.04	0.19	0.03	0.06	0.10
	8750	0.03	0.20	0.03	0.07	0.11
	9000	0.02	0.21	0.03	0.07	0.11
	9250	0.01	0.22	0.04	0.08	0.12
	9500	0.00	0.23	0.04	0.08	0.13
	9750	0.00	0.24	0.04	0.09	0.13
	10000	0.00	0.25	0.04	0.09	0.14

¹ Pressure drop added by condensate over a dry coil.

CFM Static Pressure and Power-Altitude and Temperature Corrections

The information below should be used to assist in application of product when being applied at altitudes at or exceeding 1000 feet above sea level.

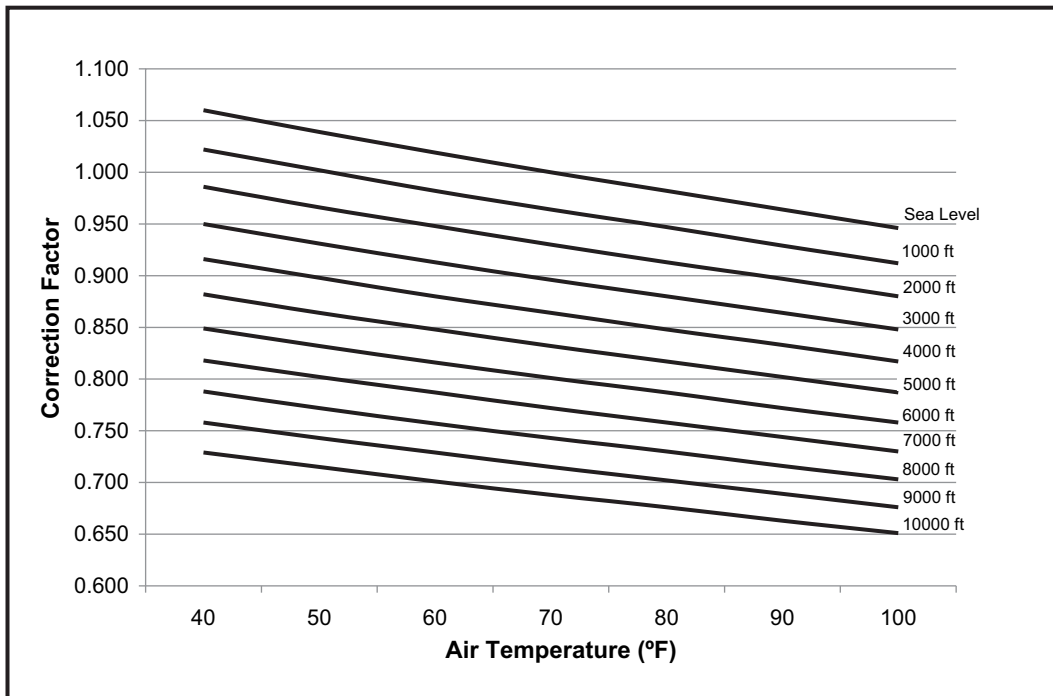
The air flow rates listed in the standard blower performance tables are based on standard air at sea level. As the altitude or temperature increases, the density of air decreases. In

order to use the indoor blower tables for high altitude applications, certain corrections are necessary.

A centrifugal fan is a "constant volume" device. This means that, if the rpm remains constant, the CFM delivered is the same regardless of the density of the air. However, since the air at high altitude is less dense, less static pressure will be generated and less power will be required than a similar application at sea level. Air density correction factors are shown in Table Figure and Figure Figure 1.

Altitude/Temperature Correction Factors

Air Temp.	Altitude (Ft.)										
	0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
40	1.060	1.022	0.986	0.950	0.916	0.882	0.849	0.818	0.788	0.758	0.729
50	1.039	1.002	0.966	0.931	0.898	0.864	0.832	0.802	0.772	0.743	0.715
60	1.019	0.982	0.948	0.913	0.880	0.848	0.816	0.787	0.757	0.729	0.701
70	1.000	0.964	0.930	0.896	0.864	0.832	0.801	0.772	0.743	0.715	0.688
80	0.982	0.947	0.913	0.880	0.848	0.817	0.787	0.758	0.730	0.702	0.676
90	0.964	0.929	0.897	0.864	0.833	0.802	0.772	0.744	0.716	0.689	0.663
100	0.946	0.912	0.880	0.848	0.817	0.787	0.758	0.730	0.703	0.676	0.651

**Figure 1: Altitude/Temperature Correction Factors**

The examples below will assist in determining the airflow performance of the product at altitude.

Example 1: What are the corrected CFM, static pressure, and BHP at an elevation of 5,000 ft. if the blower performance data is 6,000 CFM, 1.5 IWC and 4.0 BHP?

Solution: At an elevation of 5,000 ft. the indoor blower will still deliver 6,000 CFM if the rpm is unchanged. However, the Altitude/Temperature Correction Factors table must be used to determine the static pressure and BHP. Since no temperature data is given, we will assume an air temperature of 70°F. The table shows the correction factor to be 0.832.

$$\text{Corrected static pressure} = 1.5 \times 0.832 = 1.248 \text{ IWC}$$

$$\text{Corrected BHP} = 4.0 \times 0.832 = 3.328$$

Example 2: A system, located at 5,000 feet of elevation, is to deliver 6,000 CFM at a static pressure of 1.5". Use the unit

blower tables to select the blower speed and the BHP requirement.

Solution: As in the example above, no temperature information is given so 70°F is assumed.

The 1.5" static pressure given is at an elevation of 5,000 ft. The first step is to convert this static pressure to equivalent sea level conditions.

$$\text{Sea level static pressure} = 1.5 / .832 = 1.80"$$

Enter the blower table at 6000 sCFM and static pressure of 1.8". The rpm listed will be the same rpm needed at 5,000 ft.

Suppose that the corresponding BHP listed in the table is 3.2. This value must be corrected for elevation.

$$\text{BHP at 5,000 ft.} = 3.2 \times .832 = 2.66$$

Drive Selection

1. Determine Upflow or Horizontal supply duct Application.
2. Determine desired airflow.
3. Calculate or measure the amount of external static pressure.
4. Using the operating point, determined from steps 1, 2 & 3, locate this point on the appropriate supply air blower performance table. (Linear interpolation may be necessary.)
5. Noting the RPM and BHP from step 4, locate the appropriate motor and/or drive on the RPM selection table.
6. Review the BHP compared to the motor options available. Select the appropriate motor and, or drive.
7. Review the RPM range for the motor options available. Select the appropriate drive if multiple drives are available for the chosen motor.
8. Determine turns open to obtain the desired operation point.

Example

1. 3250 CFM
2. 1.4 iwg
3. Using the supply air blower performance table below, the following data point was located: 1100 RPM & 1.8 BHP.
4. Using the RPM selection table below, Model X is found.
5. 1.8 BHP exceeds the maximum continuous BHP rating of the 1.5 HP motor. The 2 HP motor is required.
6. 1100 RPM is within the range of the 2 HP drives.
7. Using the 2 HP motor and drive, 1 turn open will achieve 1128 RPM.

Airflow Performance**Example Supply Air Blower Performance**

(CFM)	Available External Static Pressure - IWG															
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
	Standard 1.5 HP & Drive								High Static 2 HP & Drive							
3000	696	0.9	757	1.1	822	1.2	891	1.3	961	1.3	1019	1.5	1077	1.6	1135	1.8
3250	729	1.1	790	1.3	855	1.4	924	1.5	984	1.6	1042	1.7	1100	1.8	1159	2.0
3500	766	1.3	826	1.5	892	1.6	953	1.6	1010	1.8	1069	1.9	1127	2.0		

RPM Selection

Unit Model	HP	Max BHP	Motor Sheave	Blower Sheave	6 Turns Open	5 Turns Open	4 Turns Open	3 Turns Open	2 Turns Open	1 Turn Open	Fully Closed
X	Std.	1.5	1.73	1VL40	AK69	N/A	690	743	796	849	955
	HS	2	2.30	1VL40	AK56	N/A	863	929	995	1062	1128

Sound Performance

Outdoor Sound Power Levels (dB), 60 Hz

Size (Tons)	Model	Sound Rating ¹	Octave Bands (Hz)							
			63	125	250	500	1000	2000	4000	8000
-07 (7.5)	PH-07	89	88	90	89	87	84	81	77	72
	YH-07	89	88	89	89	87	84	81	78	73
-10 (10.0)	PH-10	89	88	90	89	87	84	81	77	72
	YH-10	90	91	87	90	88	85	80	76	70
	YJ-10	90	92	89	91	88	85	80	77	71
-12 (12.5)	YH-12	91	96	88	90	89	86	82	77	71
	YJ-12	91	92	92	92	89	86	81	78	73
-15 (15.0)	PH-15	93	93	96	93	90	89	84	77	71
	PJ-15	93	93	96	93	90	89	84	77	71
	YH-15	89	88	90	89	87	84	81	77	72
	YJ-15	89	88	90	89	87	84	81	77	72
-20 (20.0)	PH-20	93	93	96	93	90	89	84	77	71
	PJ-20	93	93	96	93	90	89	84	77	71
	YH-20	93	93	96	93	90	89	84	77	71
	YJ-20	93	93	96	93	90	89	84	77	71

¹ Rated in accordance with ARI 270 Standard.

Electrical Data

Electrical Data For Outdoor Models

Electrical Data - Outdoor Unit - AC Without Powered Convenience Outlet

Model	Compressors					Outdoor Fan Motor		Pwr Conv Outlet	Minimum Circuit Ampacity ¹	Maximum Fuse Size (A) ²
	Power Supply	Qty.	RLA (each)	MCC (each)	LRA (each)	Qty	FLA (each)	FLA		
YH-07	208/230-3-60	1	25.0	39	164	2	2.1	0.0	35.5	45
	460-3-60	1	12.2	19	100	2	1.2	0.0	17.6	25
	575-3-60	1	9.0	14	78	2	0.9	0.0	13.1	20
YH-10	208/230-3-60	2	15.6	24	110	2	3.0	0.0	41.2	50
	460-3-60	2	7.8	12	52	2	1.6	0.0	20.8	25
	575-3-60	2	5.8	9	39	2	1.4	0.0	15.8	20
YJ-10	208/230-3-60	2	17.3	27	123	2	3.0	0.0	45.0	60
	460-3-60	2	9.6	15	70	2	1.6	0.0	24.8	30
	575-3-60	2	7.7	12	53	2	1.4	0.0	20.0	25
YH-12	208/230-3-60	2	22.4	35	149	2	3.0	0.0	56.5	70
	460-3-60	2	10.6	17	75	2	1.6	0.0	27.1	35
	575-3-60	2	7.7	12	54	2	1.4	0.0	20.0	25
YJ-12	208/230-3-60	2	23.1	36	160	2	3.0	0.0	58.0	80
	460-3-60	2	12.2	19	87	2	1.6	0.0	30.7	40
	575-3-60	2	8.7	14	62	2	1.4	0.0	22.3	30
YH-15	208/230-3-60	2	25.0	39	164	4	2.1	0.0	64.7	80
	460-3-60	2	12.2	19	100	4	1.2	0.0	32.2	40
	575-3-60	2	9.0	14	78	4	0.9	0.0	24.0	30
YJ-15	208/230-3-60	2	25.0	39	164	4	2.1	0.0	64.7	80
	460-3-60	2	12.2	19	100	4	1.2	0.0	32.2	40
	575-3-60	2	9.0	14	78	4	0.9	0.0	24.0	30
YH-20	208/230-3-60	2	30.1	47	225	4	3.0	0.0	79.8	100
	460-3-60	2	16.7	26	114	4	1.6	0.0	44.0	60
	575-3-60	2	12.2	19	80	4	1.4	0.0	32.9	45
YJ-20	208/230-3-60	2	30.1	47	225	4	3.0	0.0	79.8	100
	460-3-60	2	16.7	26	114	4	1.6	0.0	44.0	60
	575-3-60	2	12.2	19	80	4	1.4	0.0	32.9	45

¹ Based on three, 75°C insulated copper conductors in conduit and ambient of 30°C.

² Maximum fuse or maximum circuit breaker (HACR type per NEC).

Refer to NEC/NFPA No. 70, Articles 440-11, 12 for information on minimum disconnect sizing.

Electrical Data - Outdoor Unit - AC With Powered Convenience Outlet

Model	Compressors					Outdoor Fan Motor		Pwr Conv Outlet	Minimum Circuit Ampacity ¹	Maximum Fuse Size (A) ²
	Power Supply	Qty.	RLA (each)	MCC (each)	LRA (each)	Qty	FLA (each)	FLA		
YH-07	208/230-3-60	1	25.0	39	164	2	2.1	10.0	45.5	60
	460-3-60	1	12.2	19	100	2	1.2	5.0	22.6	30
	575-3-60	1	9.0	14	78	2	0.9	4.0	17.1	25
YH-10	208/230-3-60	2	15.6	24	110	2	3.0	10.0	51.2	60
	460-3-60	2	7.8	12	52	2	1.6	5.0	25.8	30
	575-3-60	2	5.8	9	39	2	1.4	4.0	19.8	25
YJ-10	208/230-3-60	2	17.3	27	123	2	3.0	10.0	55.0	70
	460-3-60	2	9.6	15	70	2	1.6	5.0	29.8	35
	575-3-60	2	7.7	12	53	2	1.4	4.0	24.0	30
YH-12	208/230-3-60	2	22.4	35	149	2	3.0	10.0	66.5	80
	460-3-60	2	10.6	17	75	2	1.6	5.0	32.1	40
	575-3-60	2	7.7	12	54	2	1.4	4.0	24.0	30
YJ-12	208/230-3-60	2	23.1	36	160	2	3.0	10.0	68.0	90
	460-3-60	2	12.2	19	87	2	1.6	5.0	35.7	45
	575-3-60	2	8.7	14	62	2	1.4	4.0	26.3	30
YH-15	208/230-3-60	2	25.0	39	164	4	2.1	10.0	74.7	90
	460-3-60	2	12.2	19	100	4	1.2	5.0	37.2	45
	575-3-60	2	9.0	14	78	4	0.9	4.0	28.0	35
YJ-15	208/230-3-60	2	25.0	39	164	4	2.1	10.0	74.7	90
	460-3-60	2	12.2	19	100	4	1.2	5.0	37.2	45
	575-3-60	2	9.0	14	78	4	0.9	4.0	28.0	35
YH-20	208/230-3-60	2	30.1	47	225	4	3.0	10.0	89.8	110
	460-3-60	2	16.7	26	114	4	1.6	5.0	49.0	60
	575-3-60	2	12.2	19	80	4	1.4	4.0	36.9	45
YJ-20	208/230-3-60	2	30.1	47	225	4	3.0	10.0	89.8	110
	460-3-60	2	16.7	26	114	4	1.6	5.0	49.0	60
	575-3-60	2	12.2	19	80	4	1.4	4.0	36.9	45

¹ Based on three, 75°C insulated copper conductors in conduit and ambient of 30°C.

² Maximum fuse or maximum circuit breaker (HACR type per NEC).
Refer to NEC/NFPA No. 70, Articles 440-11, 12 for information on minimum disconnect sizing.

Electrical Data - Outdoor Unit - HP Without Powered Convenience Outlet

Model	Compressors					Outdoor Fan Motor		Pwr Conv Outlet	Minimum Circuit Ampacity ¹	Maximum Fuse Size (A) ²
	Power Supply	Qty.	RLA (each)	MCC (each)	LRA (each)	Qty	FLA (each)	FLA		
PH-07	208/230-3-60	1	25.0	39	164	2	2.1	0.0	35.5	45
	460-3-60	1	12.2	19	100	2	1.2	0.0	17.6	25
	575-3-60	1	9.0	14	78	2	0.9	0.0	13.1	20
PH-10	208/230-3-60	2	15.6	24	110	2	3.0	0.0	41.2	50
	460-3-60	2	7.8	12	52	2	1.6	0.0	20.8	25
	575-3-60	2	5.8	9	39	2	1.4	0.0	15.8	20
PH-15	208/230-3-60	2	25.0	39	164	4	2.1	0.0	64.7	80
	460-3-60	2	12.2	19	100	4	1.2	0.0	32.2	40
	575-3-60	2	9.0	14	78	4	0.9	0.0	24.0	30
PJ-15	208/230-3-60	2	25.0	39	164	4	2.1	0.0	64.7	80
	460-3-60	2	12.2	19	100	4	1.2	0.0	32.2	40
	575-3-60	2	9.0	14	78	4	0.9	0.0	24.0	30
PH-20	208/230-3-60	2	30.1	47	225	4	3.0	0.0	79.8	100
	460-3-60	2	16.7	26	114	4	1.6	0.0	44.0	60
	575-3-60	2	12.2	19	80	4	1.4	0.0	32.9	45
PJ-20	208/230-3-60	2	30.1	47	225	4	3.0	0.0	79.8	100
	460-3-60	2	16.7	26	114	4	1.6	0.0	44.0	60
	575-3-60	2	12.2	19	80	4	1.4	0.0	32.9	45

¹ Based on three, 75°C insulated copper conductors in conduit and ambient of 30°C.

² Maximum fuse or maximum circuit breaker (HACR type per NEC).
Refer to NEC/NFPA No. 70, Articles 440-11, 12 for information on minimum disconnect sizing.

Electrical Data - Outdoor Unit - HP With Powered Convenience Outlet

Model	Compressors					Outdoor Fan Motor		Pwr Conv Outlet	Minimum Circuit Ampacity ¹	Maximum Fuse Size (A) ²
	Power Supply	Qty.	RLA (each)	MCC (each)	LRA (each)	Qty	FLA (each)	FLA		
PH-07	208/230-3-60	1	25.0	39	164	2	2.1	10.0	45.5	60
	460-3-60	1	12.2	19	100	2	1.2	5.0	22.6	30
	575-3-60	1	9.0	14	78	2	0.9	4.0	17.1	25
PH-10	208/230-3-60	2	15.6	24	110	2	3.0	10.0	51.2	60
	460-3-60	2	7.8	12	52	2	1.6	5.0	25.8	30
	575-3-60	2	5.8	9	39	2	1.4	4.0	19.8	25
PH-15	208/230-3-60	2	25.0	39	164	4	2.1	10.0	74.7	90
	460-3-60	2	12.2	19	100	4	1.2	5.0	37.2	45
	575-3-60	2	9.0	14	78	4	0.9	4.0	28.0	35
PJ-15	208/230-3-60	2	25.0	39	164	4	2.1	10.0	74.7	90
	460-3-60	2	12.2	19	100	4	1.2	5.0	37.2	45
	575-3-60	2	9.0	14	78	4	0.9	4.0	28.0	35
PH-20	208/230-3-60	2	30.1	47	225	4	3.0	10.0	89.8	110
	460-3-60	2	16.7	28	114	4	1.6	5.0	49.0	60
	575-3-60	2	12.2	19	80	4	1.4	4.0	36.9	45
PJ-20	208/230-3-60	2	30.1	47	225	4	3.0	10.0	89.8	110
	460-3-60	2	16.7	26	114	4	1.6	5.0	49.0	60
	575-3-60	2	12.2	19	80	4	1.4	4.0	36.9	45

¹ Based on three, 75°C insulated copper conductors in conduit and ambient of 30°C.

² Maximum fuse or maximum circuit breaker (HACR type per NEC).
Refer to NEC/NFPA No. 70, Articles 440-11, 12 for information on minimum disconnect sizing.

Electrical Data For Indoor Models

Electrical Data - Indoor Units

Motor HP	Power Supply	Supply Blower Motor	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		FLA	Model	KW	Stages	Amps		
NH-07C00B								
1.5	208-3-60	5.0	None	---	---	---	11.3	15
			10 KW	7.5	1	20.8	32.1	35
			16 KW	12	2	33.4	44.6	45
			26 KW	19.5	2	54.2	65.5	70
			36 KW	27	2	75.1	86.3	90
	230-3-60	5.0	None	---	---	---	11.3	15
			10 KW	10	1	24.1	35.3	40
			16 KW	16	2	38.5	49.7	50
			26 KW	26	2	62.5	73.8	80
			36 KW	36	2	86.6	97.9	100
	460-3-60	2.5	None	---	---	---	5.6	15
			10 KW	10	1	12.0	17.7	20
			16 KW	16	2	19.2	24.9	25
			26 KW	26	2	31.3	36.9	40
			36 KW	36	2	43.3	48.9	50
	575-3-60	2.0	None	---	---	---	4.5	15
			10 KW	10	1	9.6	14.1	15
			16 KW	16	2	15.4	19.9	20
			26 KW	26	2	25.0	29.5	30
			36 KW	36	2	34.6	39.1	40
NH-07C00C, NH/NJ-10C00C,								
2.0	208-3-60	6.3	None	---	---	---	14.2	15
			10 KW	7.5	1	20.8	35.0	40
			16 KW	12	2	33.4	47.5	50
			26 KW	19.5	2	54.2	68.4	70
			36 KW	27	2	75.1	89.2	90
	230-3-60	6.3	None	---	---	---	14.2	15
			10 KW	10	1	24.1	38.2	40
			16 KW	16	2	38.5	52.7	60
			26 KW	26	2	62.5	76.7	80
			36 KW	36	2	86.6	100.8	110
	460-3-60	3.2	None	---	---	---	7.2	15
			10 KW	10	1	12.0	19.2	20
			16 KW	16	2	19.2	26.4	30
			26 KW	26	2	31.3	38.5	40
			36 KW	36	2	43.3	50.5	60
	575-3-60	2.4	None	---	---	---	5.4	15
			10 KW	10	1	9.6	15.0	20
			16 KW	16	2	15.4	20.8	25
			26 KW	26	2	25.0	30.4	35
			36 KW	36	2	34.6	40.0	45

Electrical Data - Indoor Units

Motor HP	Power Supply	Supply Blower Motor	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)	
		FLA	Model	KW	Stages	Amps			
NH/NJ-10C00D, NH/NJ-15C00D									
3.0	208-3-60	9.6	None	---	---	---	21.6	25	
			10 KW	7.5	1	20.8	42.4	45	
			16 KW	12	2	33.4	55.0	60	
			26 KW	19.5	2	54.2	75.8	80	
				36 KW	27	2	75.1	96.7	100
				None	---	---	---	21.6	25
				10 KW	10	1	24.1	45.7	50
				16 KW	16	2	38.5	60.1	70
				26 KW	26	2	62.5	84.1	90
				36 KW	36	2	86.6	108.2	110
				None	---	---	---	10.6	15
				10 KW	10	1	12.0	22.6	25
				16 KW	16	2	19.2	29.8	30
				26 KW	26	2	31.3	41.8	45
				36 KW	36	2	43.3	53.9	60
				None	---	---	---	8.1	15
				10 KW	10	1	9.6	17.7	20
				16 KW	16	2	15.4	23.5	25
				26 KW	26	2	25.0	33.1	35
36 KW				36	2	34.6	42.7	45	
NH/NJ-15C00E									
5.0	208-3-60	14.0	None	---	---	---	31.5	35	
			10 KW	7.5	1	20.8	52.3	60	
			16 KW	12	2	33.4	64.9	70	
			26 KW	19.5	2	54.2	85.7	90	
			36 KW	27	2	75.1	106.6	110	
			50 KW	37.6	2	104.2	135.7	150	
				None	---	---	---	31.5	35
				10 KW	10	1	24.1	55.6	60
				16 KW	16	2	38.5	70.0	70
				26 KW	26	2	62.5	94.0	100
				36 KW	36	2	86.6	118.1	125
				50 KW	50	2	120.3	151.8	175
				None	---	---	---	15.8	20
				10 KW	10	1	12.0	27.8	30
				16 KW	16	2	19.2	35.0	35
				26 KW	26	2	31.3	47.0	50
				36 KW	36	2	43.3	59.1	60
				50 KW	50	2	60.1	75.9	80
				None	---	---	---	11.7	15
				10 KW	10	1	9.6	21.3	25
				16 KW	16	2	15.4	27.1	30
				26 KW	26	2	25.0	36.7	40
				36 KW	36	2	34.6	46.3	50
				50 KW	50	2	48.1	59.8	60

Electrical Data - Indoor Units

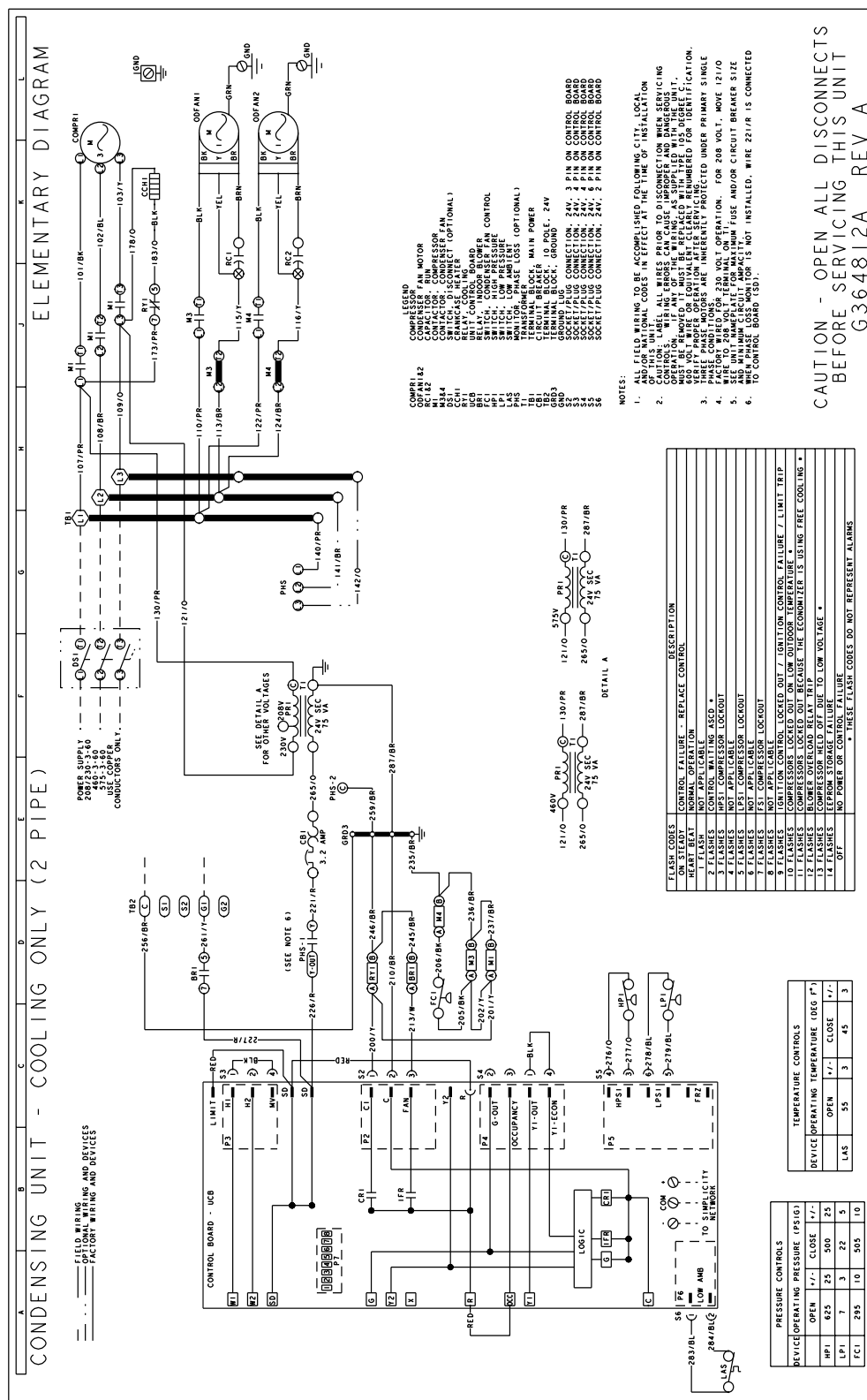
Motor HP	Power Supply	Supply Blower Motor	Electric Heat Option				MCA ¹ (Amps)	Max Fuse ² / Breaker ³ Size (Amps)
		FLA	Model	KW	Stages	Amps		
NH/NJ-20C00E								
5.0	208-3-60	14.0	None	---	---	---	31.5	35
			20 KW	15	1	41.7	73.2	80
			32 KW	24	2	66.7	98.2	100
			52 KW	39.1	2	108.4	139.9	150
	230-3-60	14.0	None	---	---	---	31.5	35
			20 KW	20	1	48.1	79.6	80
			32 KW	32	2	77.0	108.5	110
			52 KW	52	2	125.1	156.6	175
	460-3-60	7.0	None	---	---	---	15.8	20
			20 KW	20	1	24.1	39.8	40
			32 KW	32	2	38.5	54.2	60
			52 KW	52	2	62.5	78.3	80
	575-3-60	5.2	None	---	---	---	11.7	15
			20 KW	20	1	19.2	30.9	35
			32 KW	32	2	30.8	42.5	45
			52 KW	52	2	50.0	61.7	70
NH/NJ-20C00F								
7.5	208-3-60	19.2	None	---	---	---	43.2	45
			20 KW	15	1	41.7	84.9	90
			32 KW	24	2	66.7	109.9	110
			52 KW	39.1	2	108.4	151.6	175
	230-3-60	19.2	None	---	---	---	43.2	45
			20 KW	20	1	48.1	91.3	100
			32 KW	32	2	77.0	120.2	125
			52 KW	52	2	125.1	168.3	175
	460-3-60	9.6	None	---	---	---	21.6	25
			20 KW	20	1	24.1	45.7	50
			32 KW	32	2	38.5	60.1	70
			52 KW	52	2	62.5	84.1	90
	575-3-60	7.8	None	---	---	---	17.6	20
			20 KW	20	1	19.2	36.8	40
			32 KW	32	2	30.8	48.3	50
			52 KW	52	2	50.0	67.6	70

¹ Minimum Circuit Ampacity.² Dual Element, Time Delay Type.³ HACR type per NEC.

Typical Wiring Diagrams

Air Conditioning Condensing Units

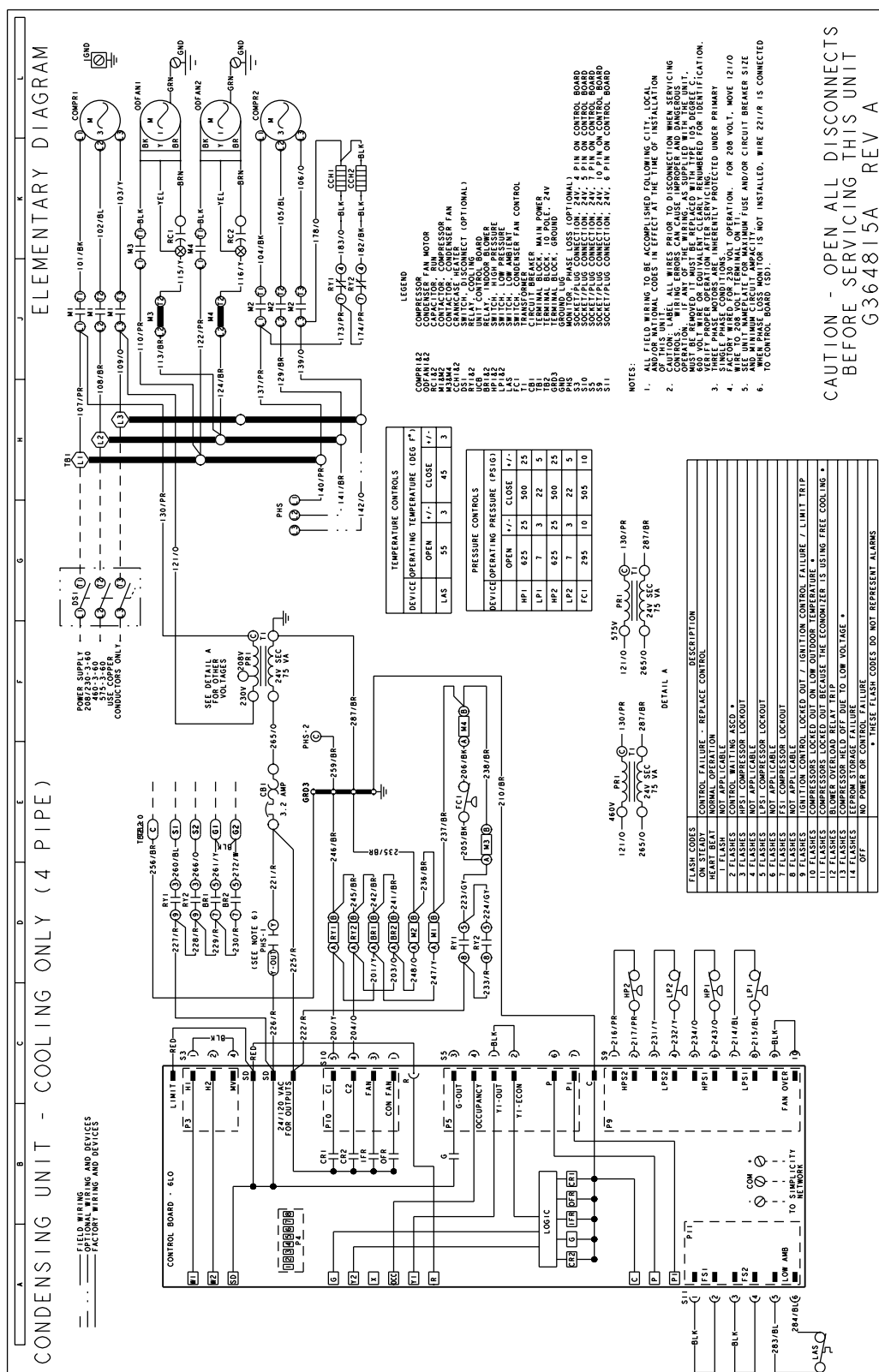
Typical YH-07 Wiring Diagram



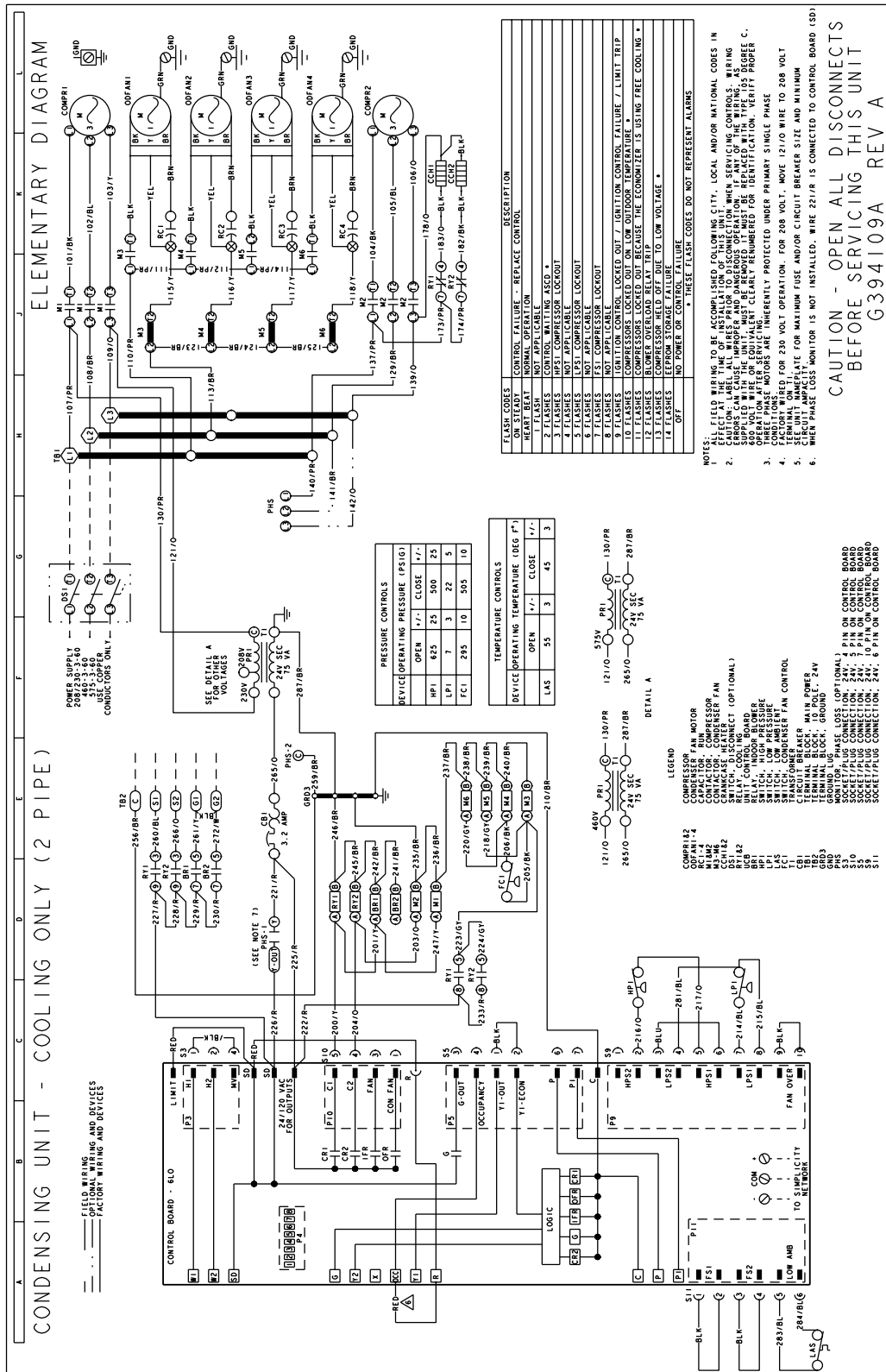
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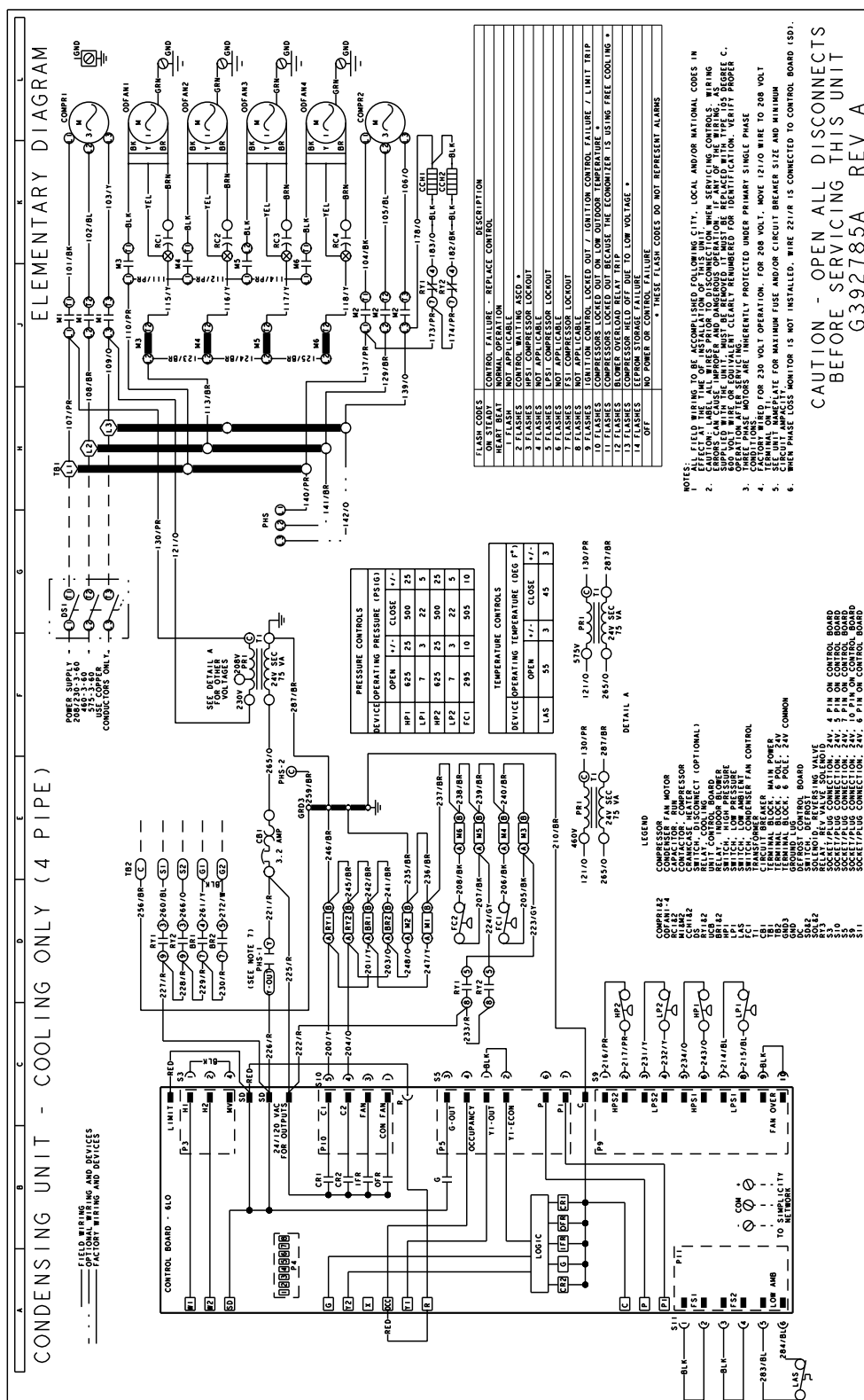
Typical YJ-10 / YJ-12 Wiring Diagram



Johnson Controls Unitary Products

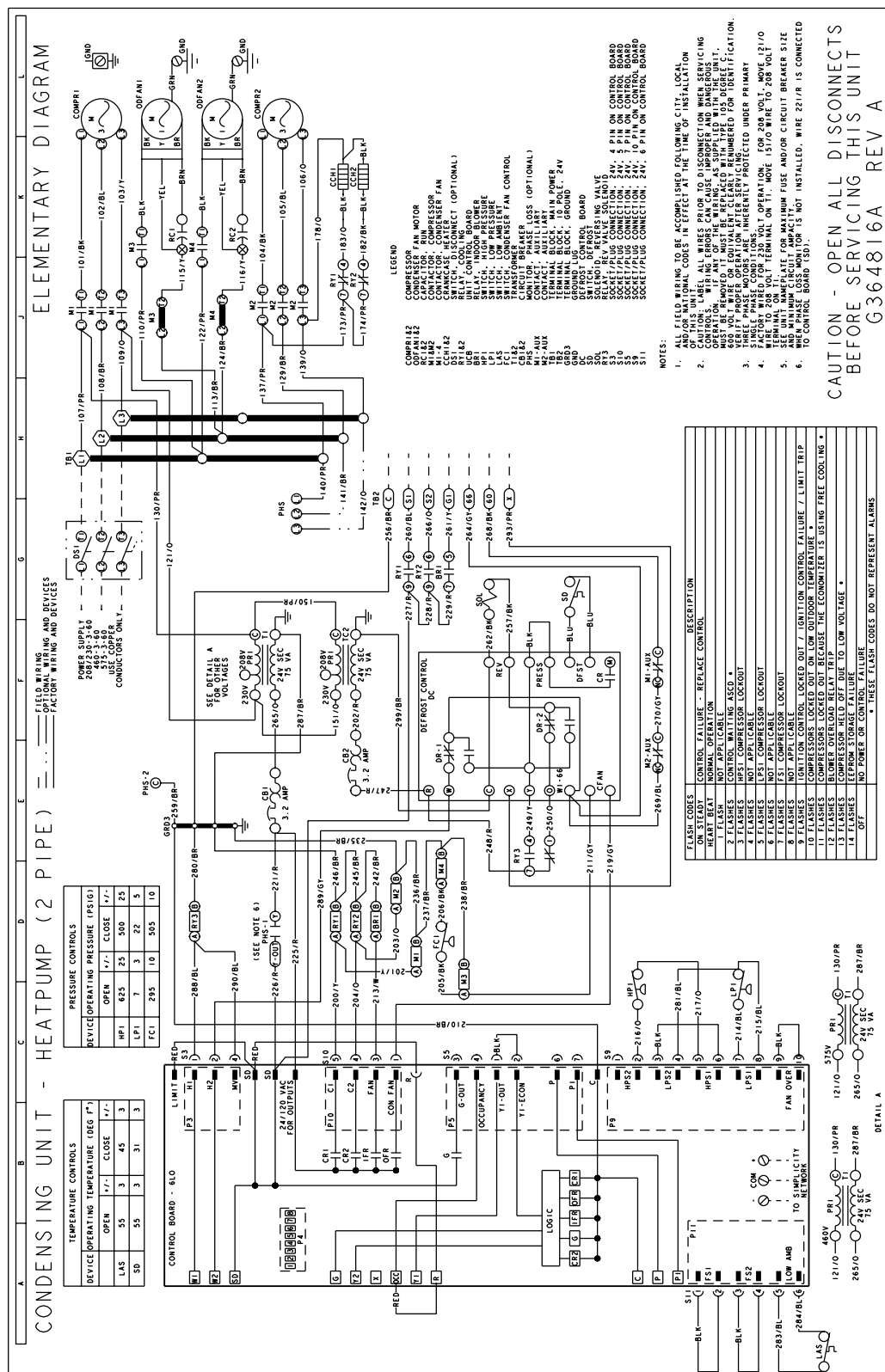


Typical YJ-15 / YJ-20 Wiring Diagram

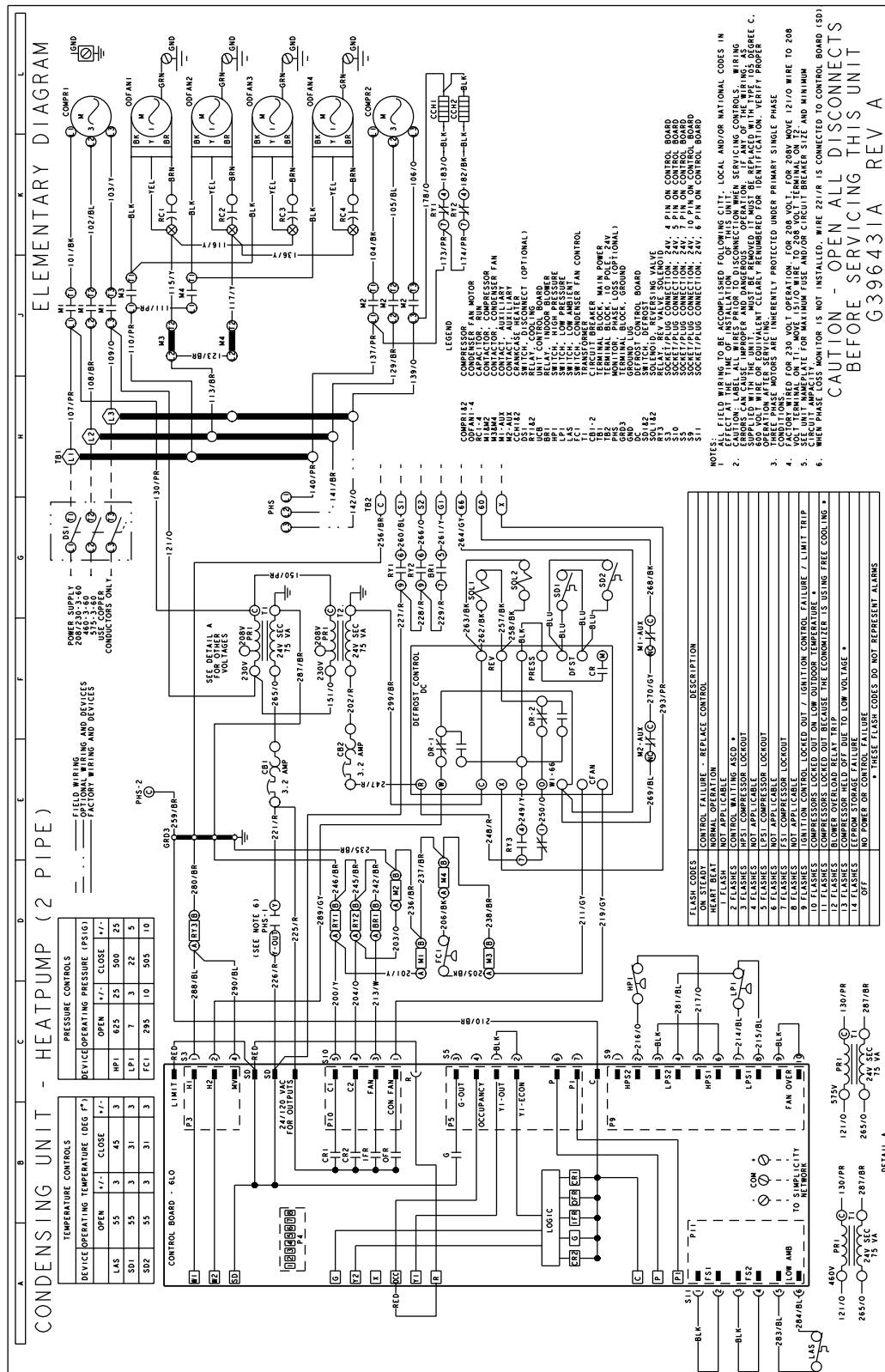




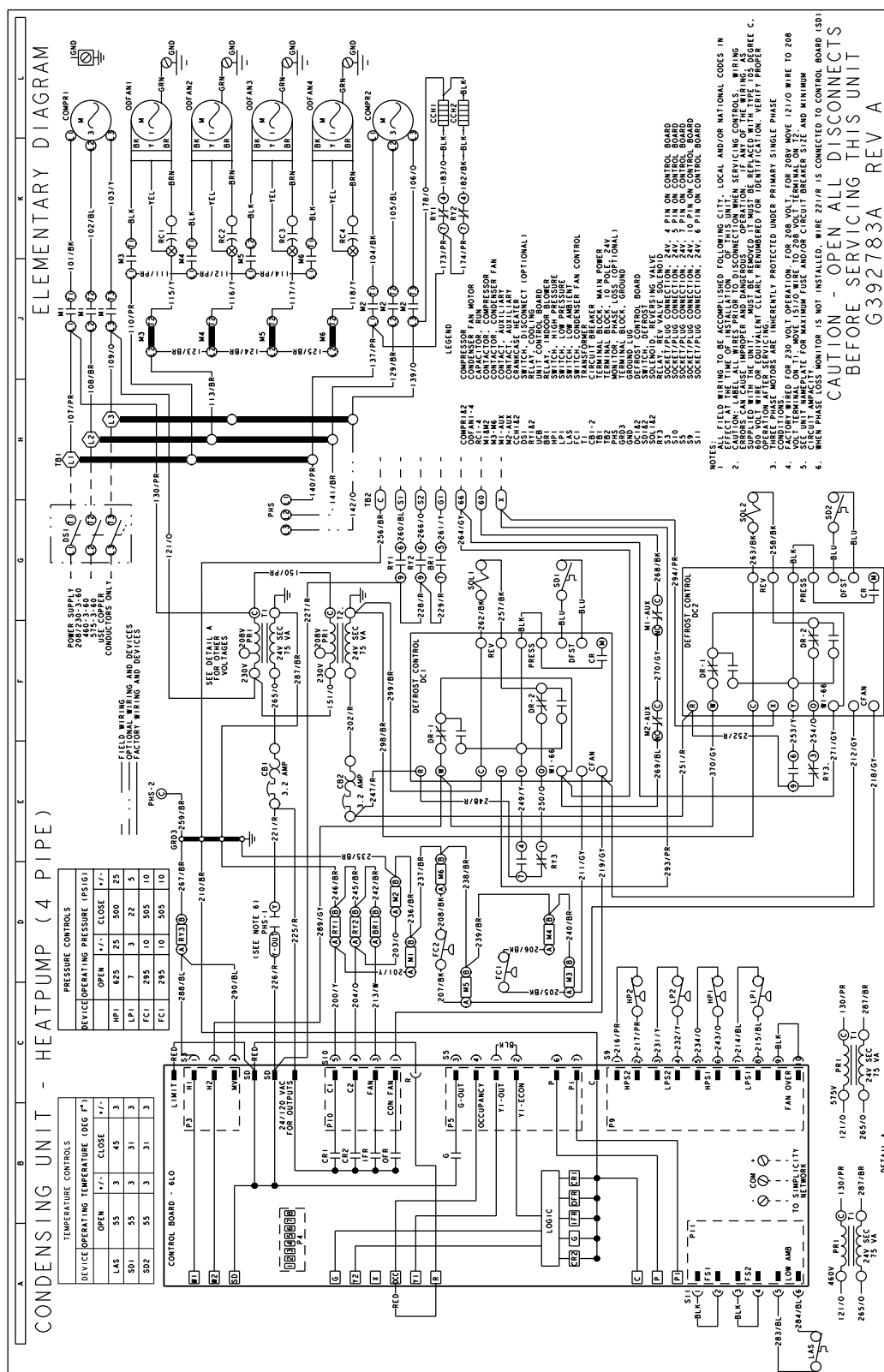
Typical PH-10 Wiring Diagram



Johnson Controls Unitary Products

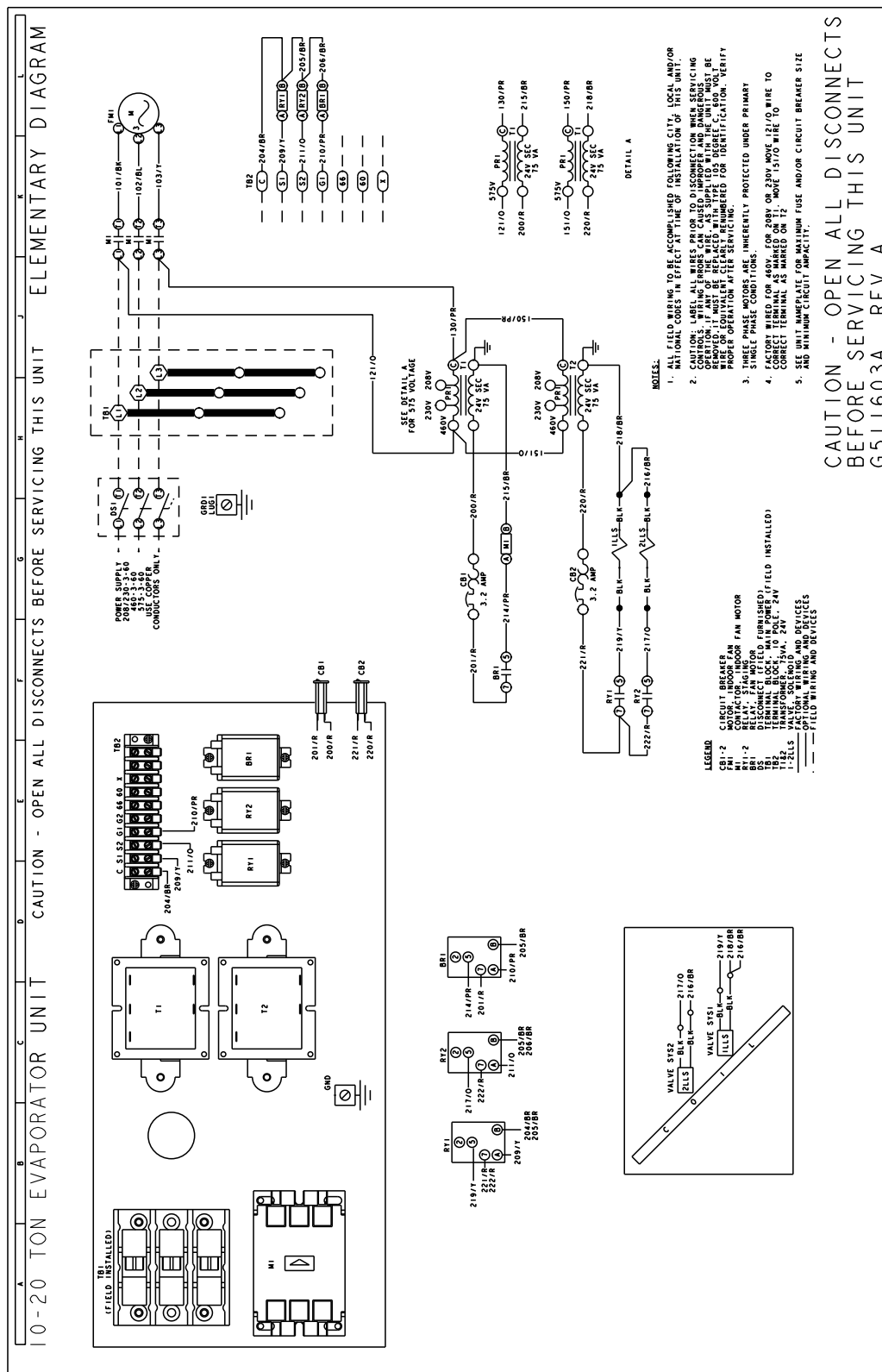


Typical PJ-15 / PJ-20 Wiring Diagram





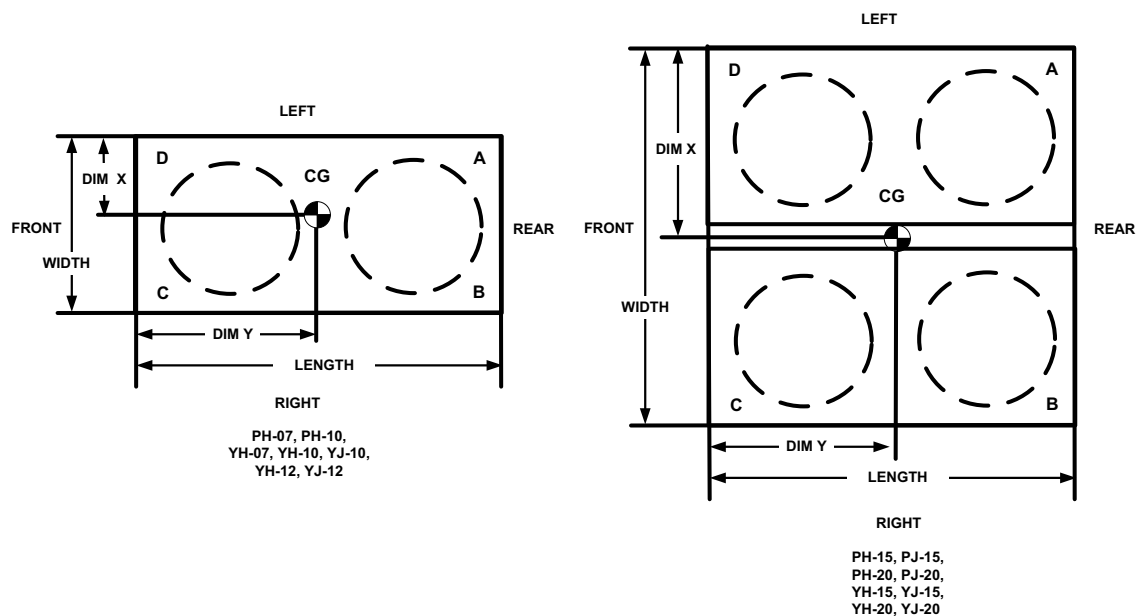
Typical NH/NJ-10 Thru NH/NJ-20 Wiring Diagram



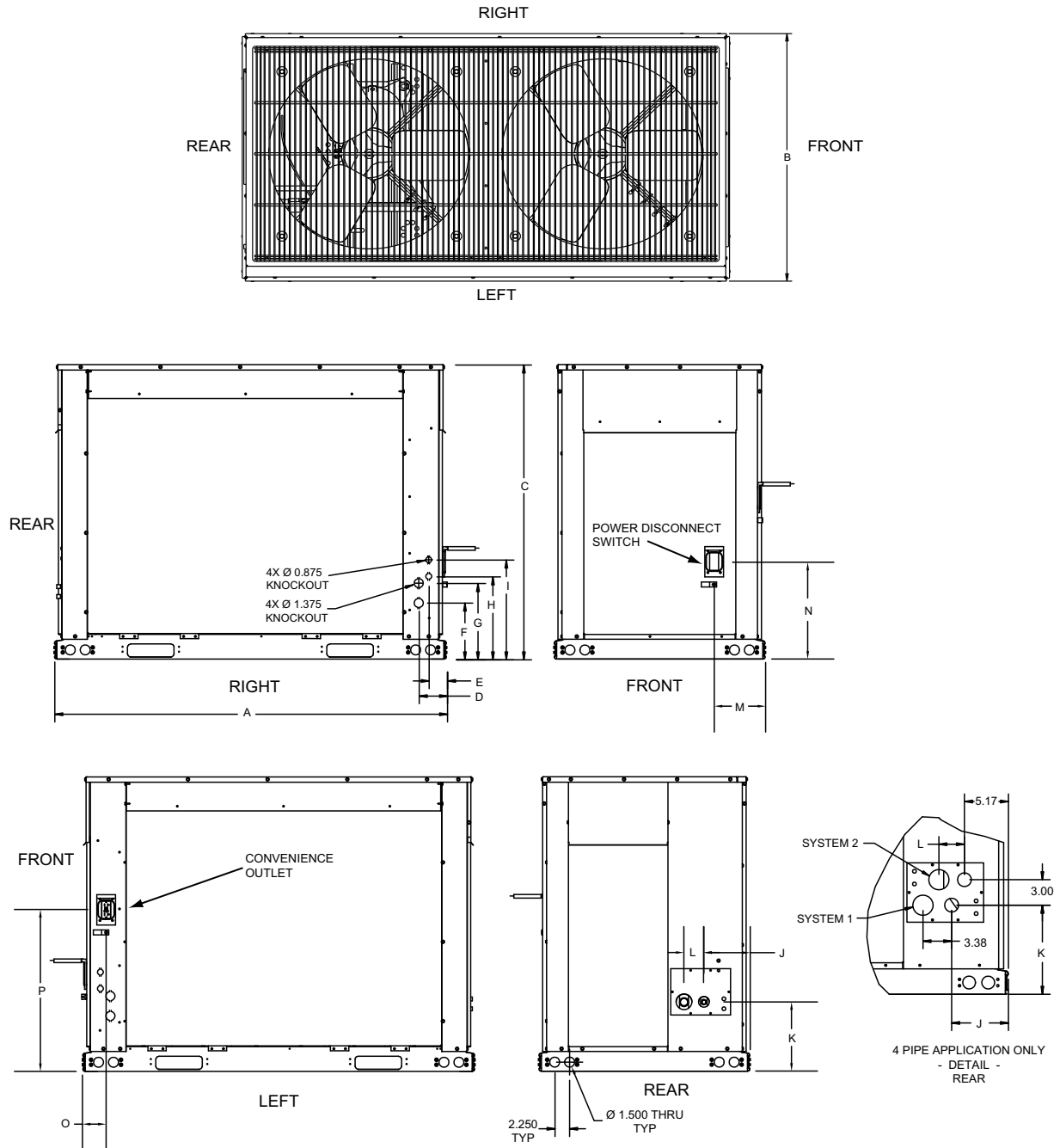
Weights And Dimensions

Corner Weights & Center of Gravity AC/HP Units

Model	Weight (lbs.)		Center of Gravity (in.)		4 Point Load Location (lbs.)			
	Shipping	Operating	X	Y	A	B	C	D
PH-07	405	415	16	32.5	114	114	94	93
PH-10	550	560	17.5	32.9	141	171	136	112
PH-15	815	840	32.5	33	231	238	188	183
PJ-15	810	835	34	32.5	216	244	199	176
PH-20	985	1010	31	32.5	287	269	220	235
PJ-20	980	1005	30.5	31.5	281	255	223	246
YH-07	330	325	18.5	30.8	71	98	90	65
YH-10	450	445	18	34	112	144	107	82
YJ-10	445	440	16.5	33.5	120	129	99	92
YH-12	450	445	18	34	112	144	107	82
YJ-12	445	440	16.5	33.5	120	129	99	92
YH-15	680	675	32.5	31.5	177	182	160	155
YJ-15	680	675	32.5	31.5	177	182	160	155
YH-20	710	710	32	37	223	222	133	133
YJ-20	710	710	32	37	223	222	133	133



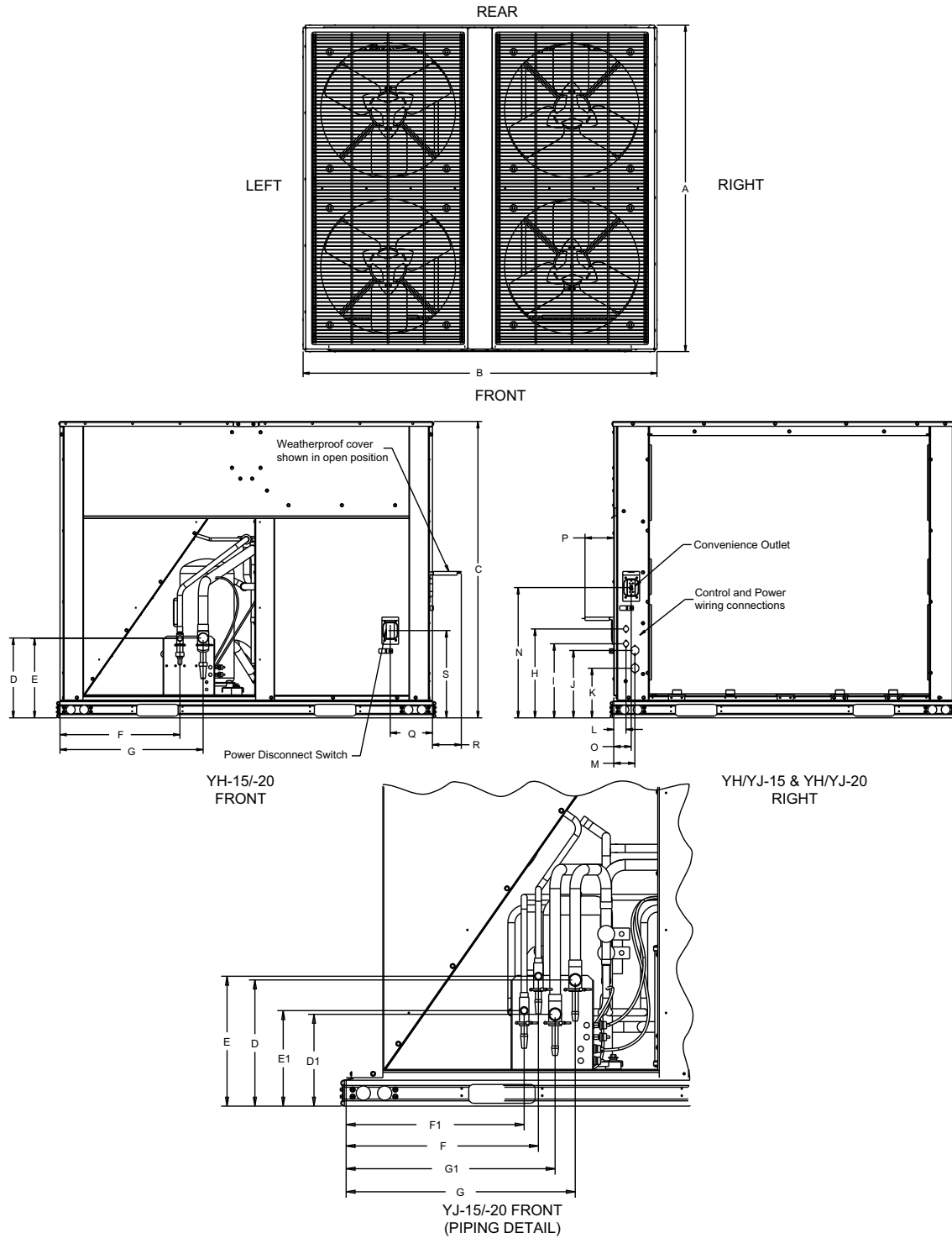
NOTE: Front of unit is considered the side having the unit control box.



Unit Dimensions PH-07, PH-10, YH-07, YH/YJ-10, YH/YJ-12

Unit Dimensions

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
PH-07	59.1	31.9	44.5	4.2	2.7	8.5	11.4	12.4	14.9	6.9	10.5	3.0	7.7	14.7	3.3	24.5
PH-10	59.1	31.9	50.0	4.2	2.7	8.5	11.4	12.4	14.9	6.9	10.5	3.0	7.7	14.7	3.3	24.5
YH-07	59.1	31.9	44.5	4.2	2.7	8.5	11.4	12.4	14.9	6.9	10.5	3.0	7.7	14.7	3.3	24.5
YH-10	59.1	31.9	50.0	4.2	2.7	8.5	11.4	12.4	14.9	6.9	10.5	3.0	7.7	14.7	3.3	24.5
YJ-10	59.1	31.9	50.0	4.2	2.7	8.5	11.4	12.4	14.9	6.9	10.5	3.0	7.7	14.7	3.3	24.5
YH-12	59.1	31.9	50.0	4.2	2.7	8.5	11.4	12.4	14.9	6.9	10.5	3.0	7.7	14.7	3.3	24.5
YJ-12	59.1	31.9	50.0	4.2	2.7	8.5	11.4	12.4	14.9	6.9	10.5	3.0	7.7	14.7	3.3	24.5



Unit Dimensions PH/PJ-15, PH/PJ-20, YH/YJ-15, YH/YJ-20

Unit Dimensions

MODEL	A	B	C	D	DI	E	EI	F	FI	G	GI	H	I	J	K	L	M	N	O	P	Q	R	S
PH-15	59.1	64.1	44.5	13.8	N/A	13.4	N/A	20.2	N/A	23.9	N/A	15.0	12.5	11.4	8.4	2.4	3.9	22.0	2.9	4.9	7.1	4.8	14.7
PJ-15	59.1	64.1	44.5	13.7	10.1	13.3	9.7	10.3	18.8	24.2	22.0	15.0	12.5	11.4	8.4	2.1	3.6	22.0	2.9	4.9	7.1	4.8	14.7
PH-20	59.1	64.1	50.0	13.8	N/A	13.4	N/A	20.2	N/A	23.9	N/A	15.0	12.5	11.4	8.4	2.1	3.6	22.0	2.9	4.9	7.1	4.8	14.7
PJ-20	59.1	64.1	50.0	14.0	10.5	13.5	9.9	20.3	18.8	24.1	22.0	15.0	12.5	11.4	8.4	2.1	3.6	22.0	2.9	4.9	7.1	4.8	14.7
YH-15	59.1	64.1	44.5	13.4	N/A	13.4	N/A	20.2	N/A	24.1	N/A	15.0	12.5	11.4	8.4	2.1	3.6	22.0	2.9	4.9	7.1	4.8	14.7
YJ-15	59.1	64.1	44.5	13.1	9.6	12.9	9.4	20.2	18.7	24.2	22.0	15.0	12.5	11.4	8.4	2.1	3.6	22.0	2.9	4.9	7.1	4.8	14.7
YH-20	59.1	64.1	50.0	13.5	N/A	13.4	N/A	20.2	N/A	24.2	N/A	15.0	12.5	11.4	8.4	2.1	3.6	22.0	2.9	4.9	7.1	4.8	14.7
YJ-20	59.1	64.1	50.0	13.1	9.6	12.9	9.4	20.2	18.7	24.2	22.0	15.0	12.5	11.4	8.4	2.1	3.6	22.0	2.9	4.9	7.1	4.8	14.7

NOTE: The 'I' designation indicates a four pipe system.

PIPING AND ELECTRICAL CONNECTIONS

Piping connections are made from the rear of 7.5 thru 12.5 Ton units and the front of 15 thru 20 Ton units. Connections can be made directly to the suction and liquid line service valves.

With the piping connections being made at the rear of 7.5 thru 12.5 Ton units and the front of 15 thru 20 Ton units, the piping can be routed to the units from the left or right side.

Electrical connections for power and control wiring are made from the front of the units, right or left of 7.5 thru 12.5 Ton electrical control box access or left of the electrical control box access on 15 thru 20 Ton units. See Unit Dimensions

and Piping and Electrical Connection Sizes tables for piping sizes and electrical knockout details.

UNIT CLEARANCES

Location	Dimensions
Overhead (Top) ¹	120"
Front access panels	36"
Left Side	30"
Right Side	30"
Rear	24"
Bottom ²	0"

¹ Units must be installed outdoors. Overhanging structures or shrubs should not obstruct condenser air discharge.

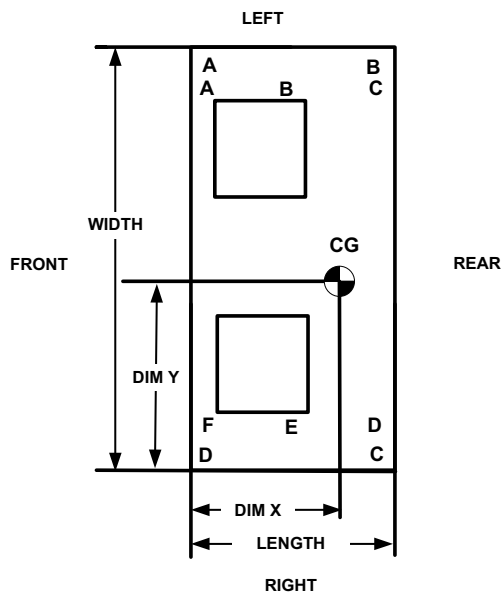
Piping And Electrical Connection Sizes (Inches)

MODEL	PH-07	YH-07	PH-10	YH-10	YJ-10	YH-12	YJ-12
No. Refrigeration Circuits	1	1	1	1	2	1	2
Suction Line OD (in.)	1 1/8	1 1/8	1 1/8	1 3/8	1 1/8	1 3/8	1 1/8
Liquid Line OD (in.)	5/8	5/8	5/8	7/8	5/8	7/8	5/8
Power Wiring Knockout	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8
Control Wiring Knockout	7/8	7/8	7/8	7/8	7/8	7/8	7/8

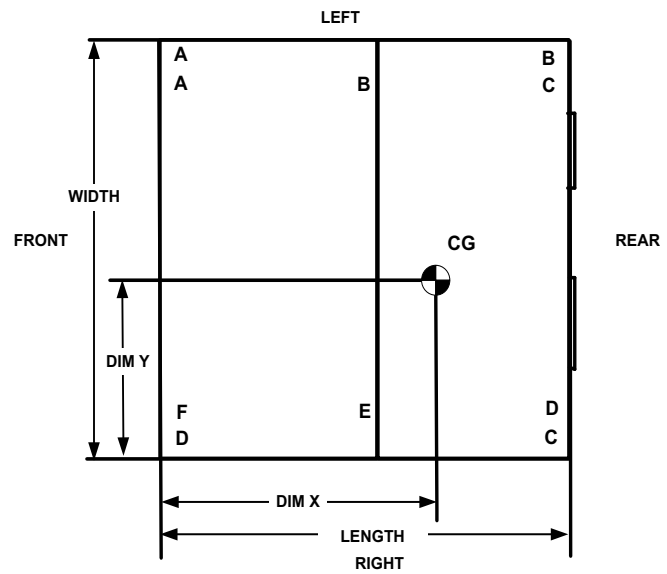
MODEL	PH-15	PJ-15	PH-20	PJ-20	YH-15	YJ-15	YH-20	YJ-20
No. Refrigeration Circuits	1	2	1	2	1	2	1	2
Suction Line OD (in.)	1 5/8	1 1/8	1 5/8	1 3/8	1 5/8	1 1/8	1 5/8	1 3/8
Liquid Line OD (in.)	7/8	5/8	7/8	7/8	7/8	5/8	7/8	7/8
Power Wiring Knockout	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8
Control Wiring Knockout	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8

Corner Weights & Center of Gravity NH/NJ Units

Model	Options	Weight (lbs.)		Center of Gravity (in.)		4 Point Load Location (lbs.)				6 Point Load Location (lbs.)						
		Shipping	Operating	X	Y	A	B	C	D	A	B	C	D	E	F	
Vertical Airflow																
NH-07	Std. Mtr. and Drv.	357	381	30	30	102	102	88	88	68	68	68	59	59	59	
	High Static Mtr. and Drv.	357	385	30	30	103	103	89	89	69	69	69	60	60	60	
NH/NJ-10	Std. Mtr. and Drv.	422	468	30	30	125	125	109	109	84	84	84	72	72	72	
	High Static Mtr. and Drv.	422	492	31	29	123	132	123	115	81	85	89	83	79	76	
NH/NJ-15	Std. Mtr. and Drv.	560	632	36	36	139	167	178	148	90	101	115	122	108	96	
	High Static Mtr. and Drv.	560	661	36	35.5	143	172	189	157	93	104	118	130	114	102	
NH/NJ-20	Std. Mtr. and Drv.	715	816	32	48	186	212	223	195	121	132	145	152	139	127	
	High Static Mtr. and Drv.	715	854	32	47	190	217	238	208	124	135	148	162	148	136	
Horizontal Airflow																
NH-07	Std. Mtr. and Drv.	357	381	15	30	102	102	88	88	68	68	68	59	59	59	
	High Static Mtr. and Drv.	357	385	15	30	103	103	89	89	69	69	69	60	60	60	
NH/NJ-10	Std. Mtr. and Drv.	422	468	15	30	125	125	109	109	84	84	84	72	72	72	
	High Static Mtr. and Drv.	422	492	15.5	29	123	132	123	115	81	85	89	83	79	76	
NH/NJ-15	Std. Mtr. and Drv.	560	632	18	36	139	167	178	148	90	101	115	122	108	96	
	High Static Mtr. and Drv.	560	661	18	35.5	143	172	189	157	93	104	118	130	114	102	
NH/NJ-20	Std. Mtr. and Drv.	715	816	16	48	186	212	223	195	121	132	145	152	139	127	
	High Static Mtr. and Drv.	715	854	16	47	190	217	238	208	124	135	148	162	148	136	

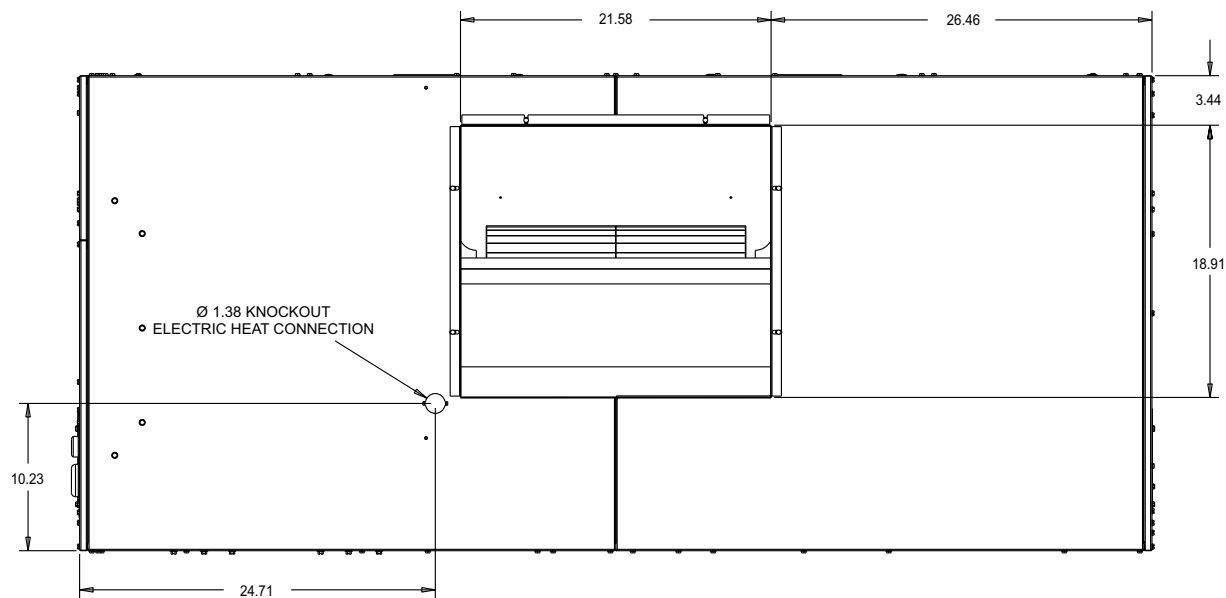


VERTICAL POSITION



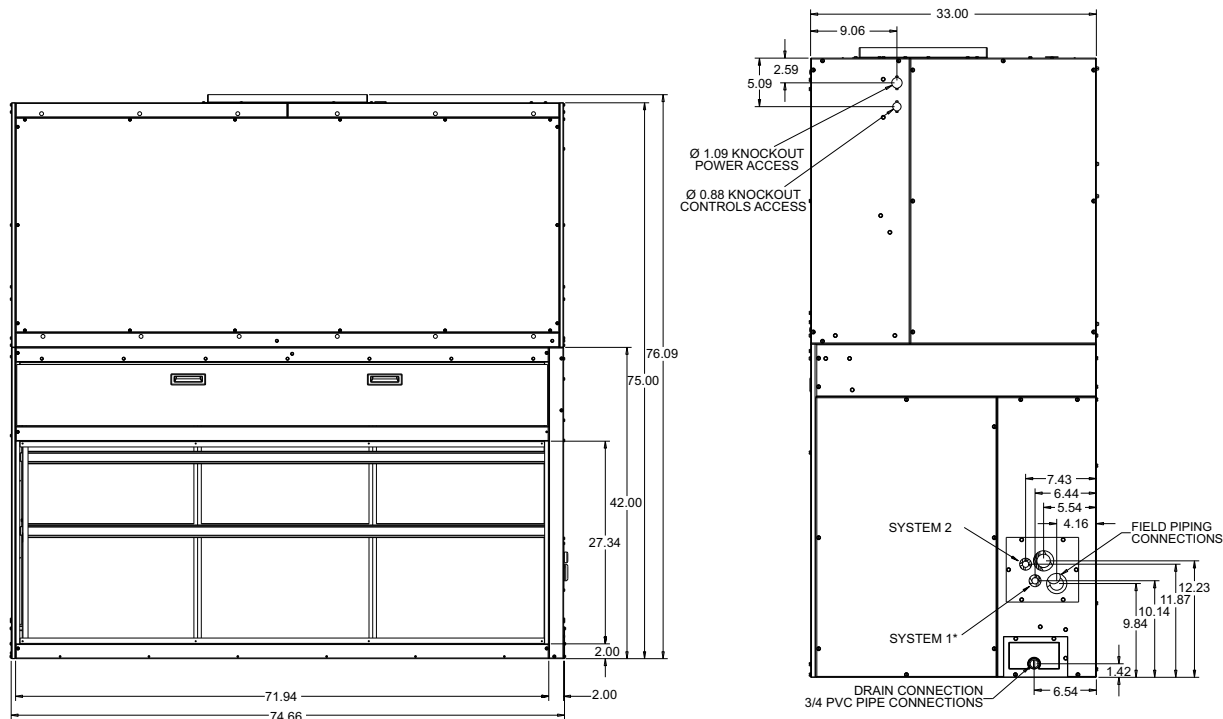
HORIZONTAL POSITION

TOP VIEW



TOP VIEW - BLOWER OUTLET
NH/NJ-15 INDOOR

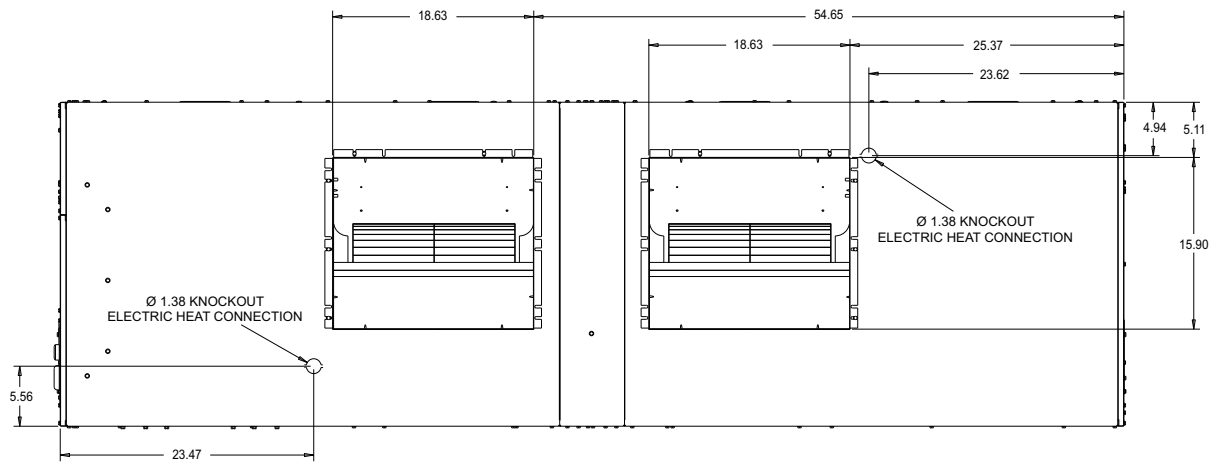
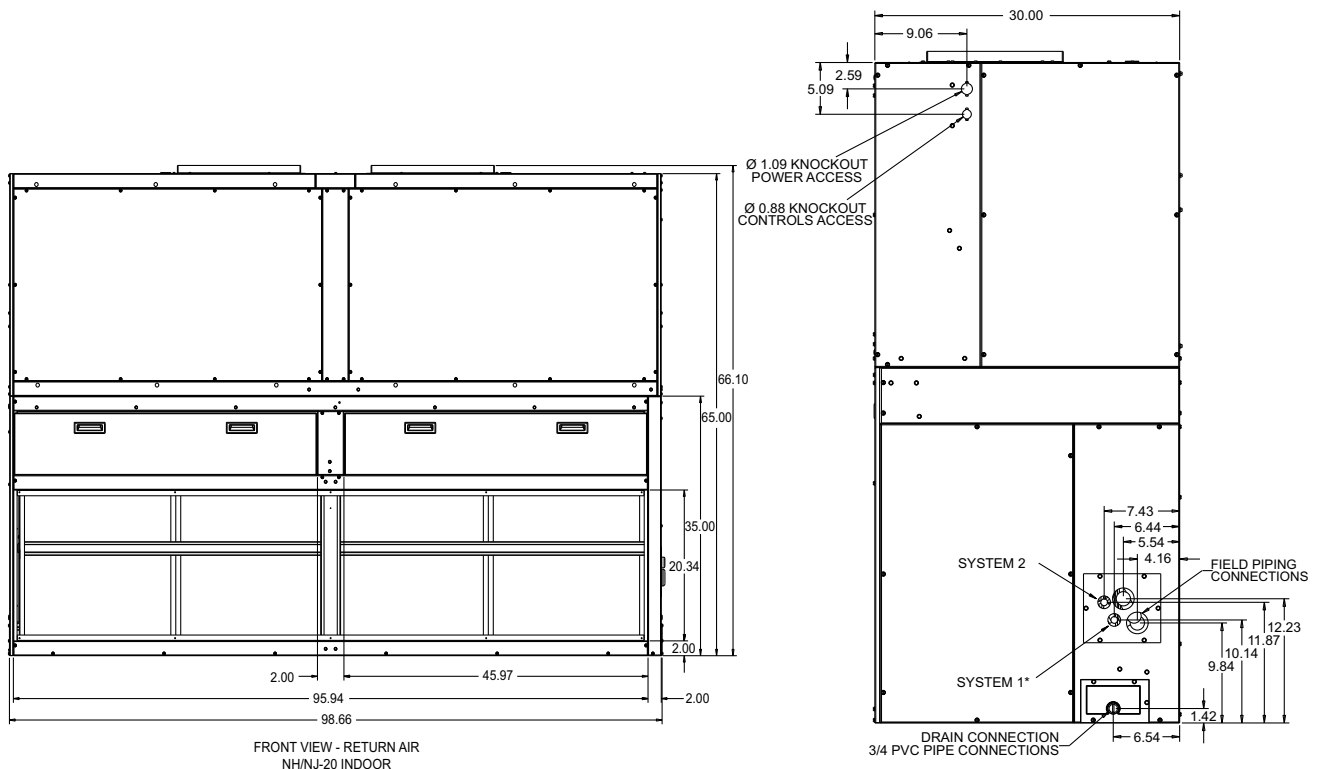
FRONT AND SIDE VIEW



FRONT VIEW - RETURN AIR
NH/NJ-15 INDOOR

RIGHT SIDE VIEW - DRAIN PIPING/CONTROLS
*SYSTEM 1 USED FOR 2-PIPE DIMENSIONS

Unit Dimensions NH/NJ-15

TOP VIEWTOP VIEW - BLOWER OUTLET
NH/NJ-20 INDOOR**FRONT AND SIDE VIEW**FRONT VIEW - RETURN AIR
NH/NJ-20 INDOORRIGHT SIDE VIEW - DRAIN PIPING/CONTROLS
*SYSTEM 1 USED FOR 2-PIPE DIMENSIONS**Unit Dimensions NH/NJ-20**

PIPING, ELECTRICAL AND DUCT OPENING CONNECTION SIZES

MODEL	NH-07	NH-10	NJ-10	NH-15	NJ-15	NH-20	NJ-20
SYSTEM DATA							
No. Refrigeration Circuits	1	1	2	1	2	1	2
Suction Line OD (in.)	1 1/8	1 3/8	1 1/8	1 5/8	1 1/8	1 5/8	1 3/8
Liquid Line OD (in.)	5/8	7/8	5/8	7/8	5/8	7/8	7/8
Power Wiring Knockout	1	1	1	1	1	1	1
Control Wiring Knockout	7/8	7/8	7/8	7/8	7/8	7/8	7/8
Electric Heat Wiring Knockout	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8
Drain Line Fitting PVC Stub	3/4	3/4	3/4	3/4	3/4	3/4	3/4
BLOWER OUTLET							
Number	1	1	1	1	1	2	2
Width	13.4	15.9	15.9	18.9	18.9	15.9	15.9
Length	15.6	18.6	18.6	21.6	21.6	18.6	18.6
RETURN AIR INLET							
Width	20.3	20.3	20.3	27.3	27.3	20.3	20.3
Length	53.4	53.4	53.4	71.9	71.9	95.9	95.9

Minimum Clearances

Minimum Clearances	
Top with Supply Air Opening¹	24"
Front with Return Air Opening	24"
Right Side with access for Piping, Power & Control Wiring Connections²	24"
Left Side	24"
Rear³	N/A
Bottom⁴	N/A

¹ This dimension will vary if an electric heater, a supply air plenum or a base is used.

² This dimension is required for normal installation and service.

³ Although no clearance is required for service and operation, some clearance may be required for routing the power and control wiring.

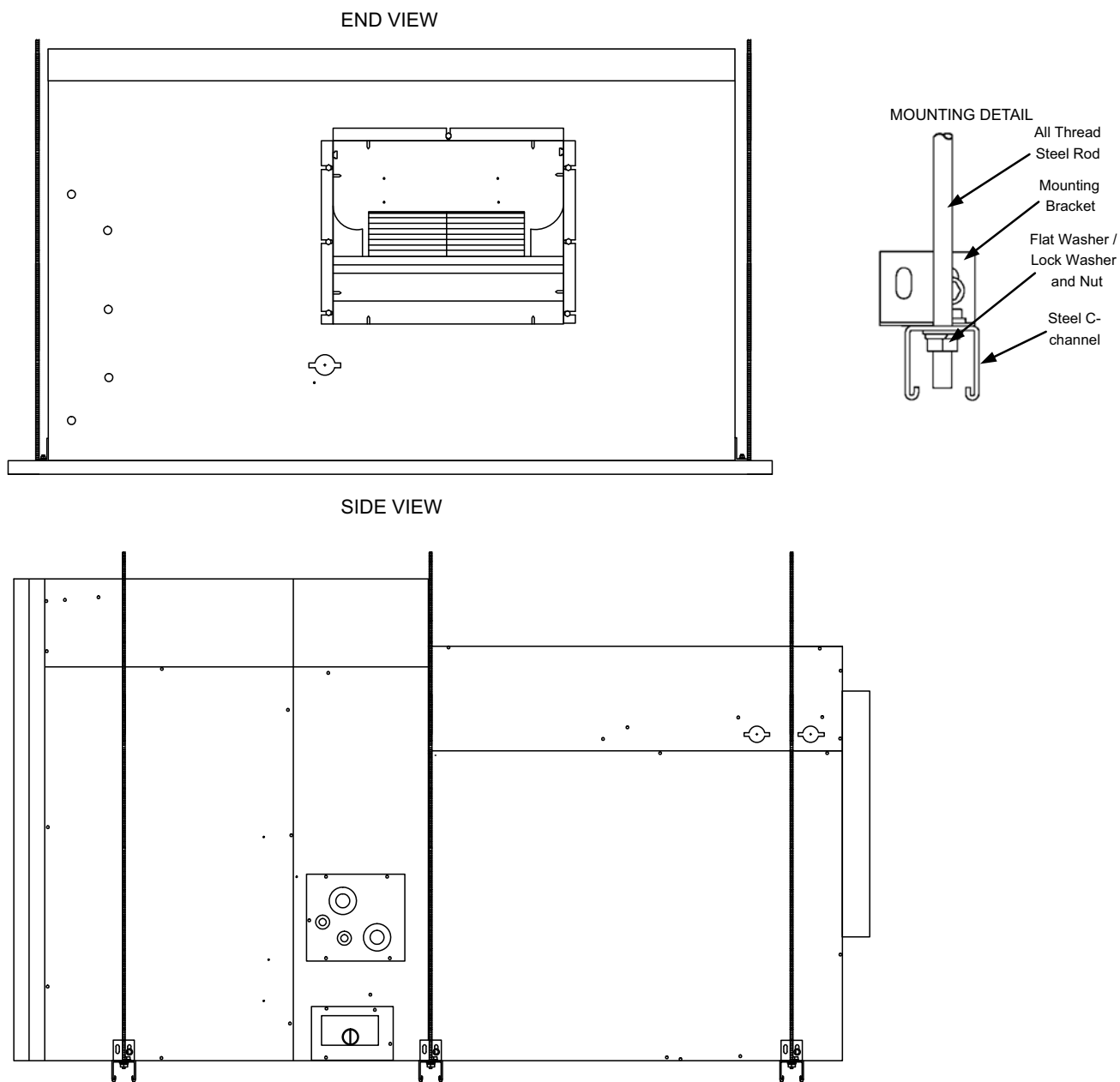
⁴ Allow enough clearance to trap the condensate drain line.

Note: If the coil has to be removed, the blower section can be unbolted and set aside and the coil can be lifted out the top of the evaporator section.

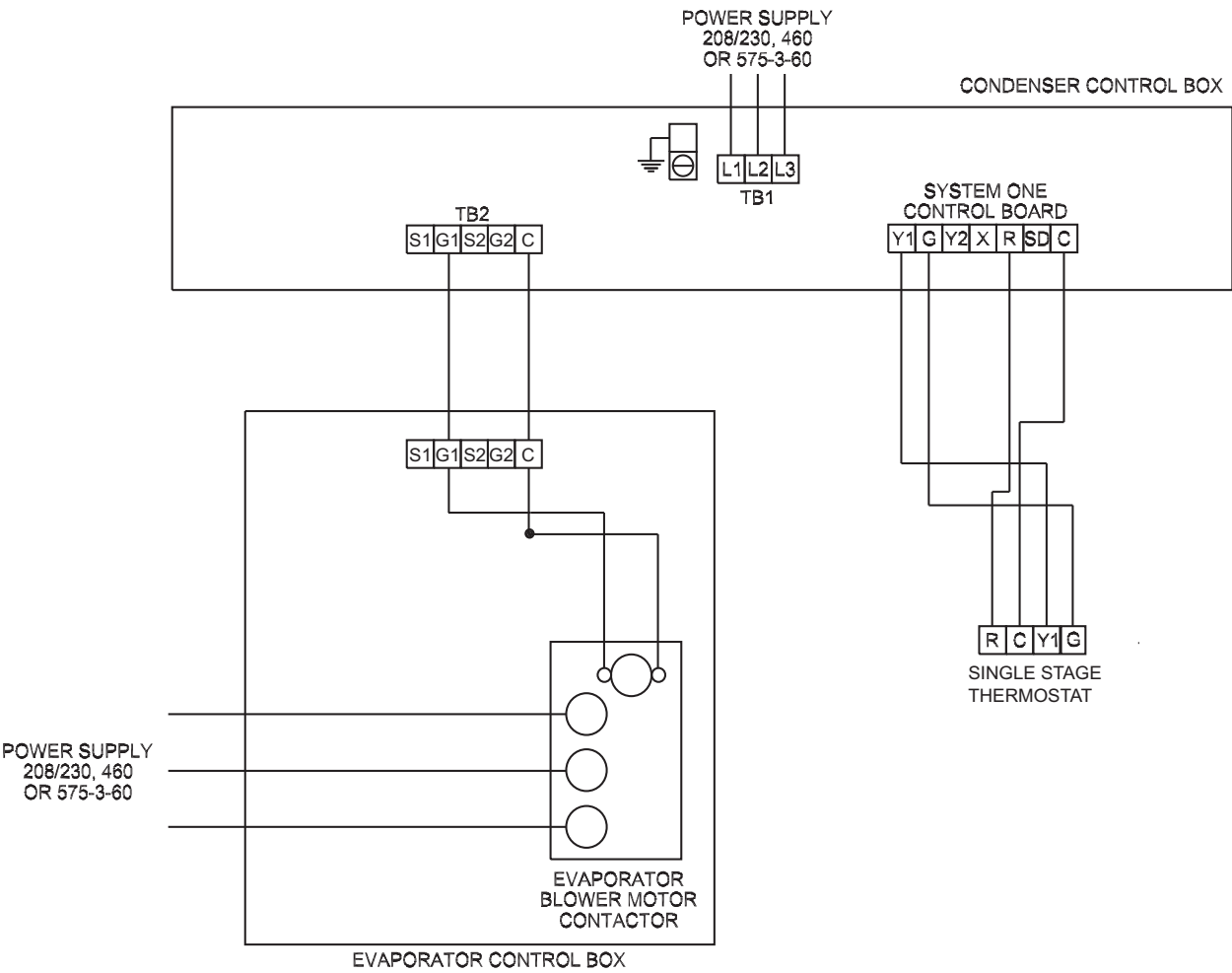
Mounting

The split air handling units can be applied in various horizontal positions. The Typical Suspension of AHU's From Ceiling Figure shows recommended suspension rigging using properly sized all-thread and metal c-channel. All

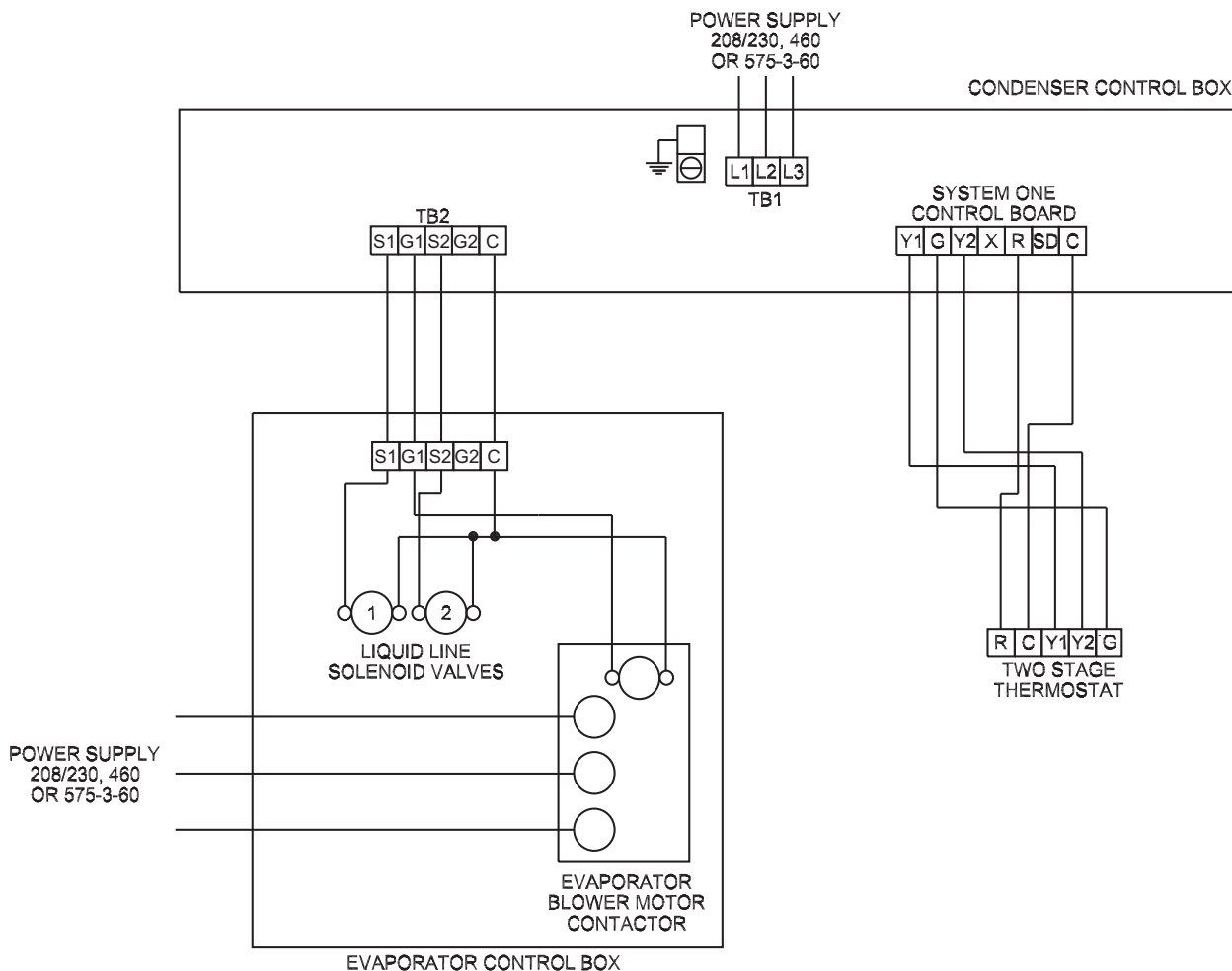
components to suspend an AHU must be field supplied. Please refer to the units total weight, center of gravity and corner weights. (Horizontal position) shown in the appropriate table for proper support sizing.



Typical Suspension of AHU's From Ceiling

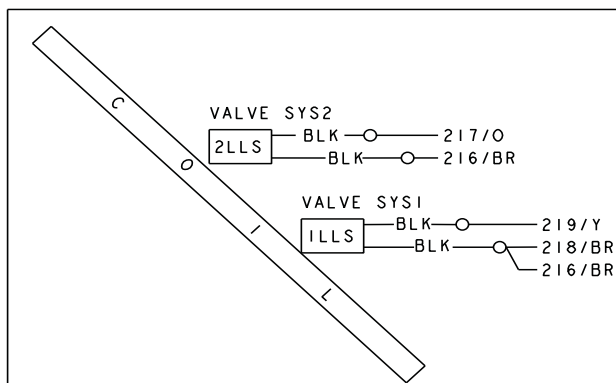


Typical Field Wiring Diagram - NH-07 Unit



Typical Field Wiring Diagram - NH/NJ-10 Thru NH/NJ-20 Unit

NOTE: On non NH/NJ Air Handler models isolation relays must be installed to avoid overloading on 75 VA transformer on the condensing unit.



NH/NJ-10 Thru NH/NJ-20 Liquid Line Solenoid Wiring

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